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**2001 Stanislaus River
Data Report
Final Data**

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Section 1. Background and Methods

BACKGROUND

Historically, the Central Valley drainage of California produced strong runs of chinook salmon (*Oncorhynchus tshawytscha*), with up to 30,000 fall chinook returning to the Stanislaus River. Spawner escapement dropped as commercial fisheries expanded around the turn of the century and annual catches of chinook reaching 4 to 10 million pounds. Other developments in the basin early in the century intensified the run's decline. Stanislaus River chinook were affected by stream blockage and degradation from mining practices, and by the reduction of salmon habitat and streamflows by dams and water diversions (Yoshiyama et al. 1998).

Today, 2,000 to 11,000 chinook salmon return each year to the Stanislaus River. The run is increasing, but remains far below its historical abundance. Currently, numerous efforts are underway to improve chinook production in the river system through habitat restoration and flow management. Many of these efforts are being implemented in response to the 1992 Central Valley Project Improvement Act, which directs the U.S. Fish and Wildlife Service to develop and implement a series of restoration programs for fish and wildlife purposes, with the goal of doubling the natural production of anadromous fish in Central Valley streams by the year 2002. The Anadromous Fish Restoration Program (AFRP), established by the CVPIA, set anadromous fish production targets and recommended fishery restoration actions for Central Valley streams.

Juvenile salmonid sampling at the Caswell site is part of a coordinated monitoring effort on the Stanislaus River to better understand the relationship of salmonid population response to both physical habitat restoration measures and flow management actions currently underway. Juvenile salmon outmigrant enumeration and production indices generated from the Caswell effort have been incorporated by two CVPIA programs. The first is the Comprehensive Assessment and Monitoring Program (CAMP). The goal of the CAMP juvenile monitoring program is to assess the relative effectiveness of categories of fishery restoration actions recommended by the AFRP. Additionally, the water

management program on the Stanislaus River, which is one component of the AFRP and authorized under sections 3406(b1-3) of the CVPIA, has identified the need for juvenile salmonid monitoring at the Caswell site to help understand the effects of water management on salmonid population dynamics. Finally, a rotary screw trap effort upstream of the Caswell site near the town of Oakdale that is funded by the Oakdale and South San Joaquin irrigation districts contributes to the juvenile salmon monitoring effort on the Stanislaus River. The monitoring described here for the Caswell site will also provide a key element of the adaptive management process.

The San Joaquin and Oakdale irrigation districts initiated the study Oakdale in 1993 to examine the effects of water management on juvenile chinook migration and growth in the Stanislaus River. Sampling of migrating juveniles began in the spring of 1993 with the fishing of a rotary screw trap in the river near Oakdale (RM 40.1). Since then, sampling has been conducted in most years. Target species include fall-run chinook salmon and rainbow trout/steelhead. The study complements efforts being initiated under the Central Valley Project Improvement Act. It is being conducted by S.P. Cramer and Associates (SPCA), and represents a joint effort of the irrigation districts, the California Department of Fish and Game, and the U.S. Fish and Wildlife Service. Study investigations are providing new information about chinook production and migration in the Stanislaus River, and how these factors may be influenced by changes in flow, temperature, turbidity and other environmental factors. This information is needed to manage the river system more effectively for the benefit of chinook and the public.

SUMMARY OF PREVIOUS MONITORING

Rotary screw traps have been used since 1993 to monitor timing and relative abundance of juvenile salmonids outmigrating from the Stanislaus River. Sampling has been conducted near Oakdale (RM 40.1) and near Caswell State Park (RM 8.6) by either California Department of Fish and Game (CDFG), US Fish and Wildlife Service (USFWS) or S.P. Cramer and Associates, Inc. (SPCA) (Table 1). Target species include fall-run

chinook salmon and rainbow trout/steelhead.

Table 1. Date, location and number of rotary-screw traps operated in the Stanislaus River, 1993 - 2001.

Year	Trap Location	Number of Traps	Start Date	End Date	Flow-Year Type
1993	Oakdale	1	Apr 21	Jun 29	Low
1994	Caswell	1	Apr 23	May 26	Low
1995	Oakdale	1	Mar 18	Jul 1	Low
1995	Caswell	2	Mar 27	May 26	Low
1996	Oakdale	1	Feb 1	Jun 8	High
1996	Caswell	2	Feb 5	Jul 2	High
1997	Caswell	2	Mar 19	Jun 27	High
1998	Oakdale	1	Jan 26	Jul 15	High
1998	Caswell	2	Jan 8	Jul 16	High
1999	Oakdale	1	Jan 18	Jun 30	High
1999	Caswell	2	Jan 18	Jun 30	High
2000	Oakdale	1	Dec 16	Jun 30	High
2000	Caswell	2	Dec 16	Jun 30	High
2001	Oakdale	1	Dec 11	Jun 29	Low
2001	Caswell	2	Dec 22	Jun 28	Low

DESCRIPTION OF STUDY AREA

The headwaters of the Stanislaus River originate on the western slope of the Sierra Nevada Mountains. The Stanislaus River and its tributaries flow southwest to the confluence with the San Joaquin River on the floor of the Central Valley (Figure 1). The San Joaquin River flows north and joins the Sacramento River in the Sacramento-San Joaquin Delta. Several dams control flows in the Stanislaus River for flood protection, power generation and water supply. Water uses include irrigation and municipal needs, as

well as recreational activities and water quality control.

Goodwin Dam, approximately 58.4 river miles (RM) upstream from the San Joaquin River confluence, blocks the upstream migration of anadromous fish. The lower river supports fall-run chinook salmon spawning between the town of Riverbank (RM 34) and Goodwin Dam (RM 58.4). Resident rainbow trout rear in the 10-20 miles of Stanislaus River below Goodwin Dam, and adult steelhead are occasionally observed, but it is not known whether a distinct anadromous population is present.

River miles shown throughout the report were determined with a map wheel and 7.5 minute series USGS quadrangle maps, (Knights Ferry, 1987 and Oakdale, 1987). The estimated river miles of our trapping and release locations are as follows:

Knights Ferry release site	RM 54.3
Oakdale release site	RM 40.4
Oakdale trapping location	RM 40.1
Caswell release site	RM 8.6
Caswell trapping location	RM 8.9
Two Rivers release site	RM 0

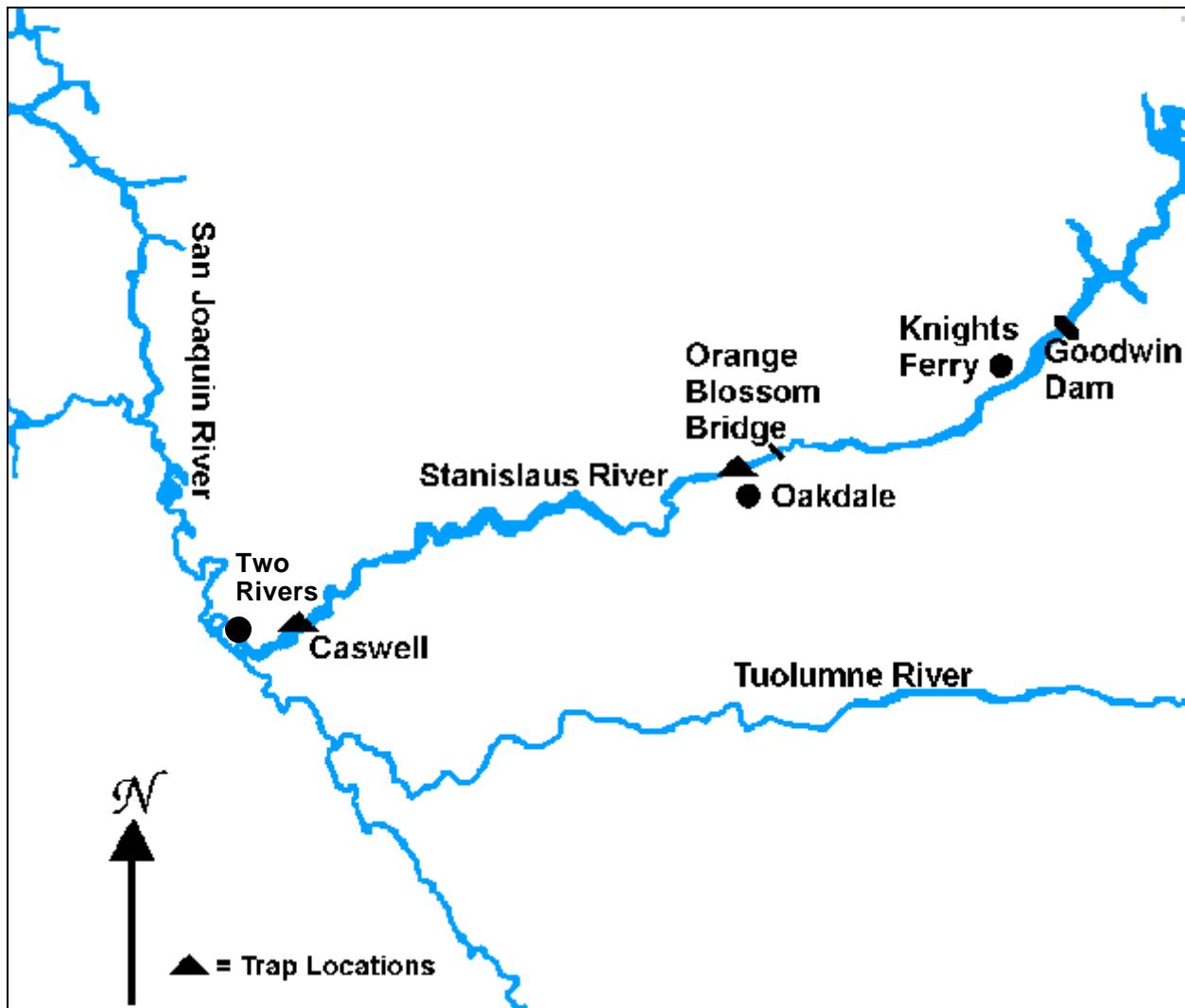


Figure 1. Location map of study area on the Stanislaus River.

METHODS

JUVENILE OUTMIGRANT MONITORING

Trapping Sites

To capture juvenile chinook migrants, we fished one rotary screw trap in the mainstem of the Stanislaus River near the Oakdale Recreation Area and two at Caswell State Park. The Oakdale site lies downstream from most chinook spawning and juvenile rearing activity and was the only site in the area with adequate water velocities for efficient trap operation at low river flows. Fast water velocities are needed to maintain a high trap rotation speed and capture efficiency. The Oakdale trap was fished in the same location in 1993, 1995, 1996, 1997, 1998 and 2000.

We fished two rotary screw traps side-by-side in the mainstem of the lower Stanislaus River near Caswell State Park to sample juvenile salmonids as they migrated downstream. The Caswell trapping location was chosen by CDFG in 1994 since it was the farthest location downstream with adequate access to install and monitor the traps. Since 1996, the traps have fished in the same position which is upstream approximately 100 yards from the site fished in 1994 and 1995. The trap nearest the left bank (looking upstream) was designated the north trap and the trap nearest the right bank was designated the south trap. These designations are the same as those used in the study since 1995.

Sampling Gear

The screw traps, manufactured by E.G. Solutions in Eugene, Oregon, each consisted of a funnel shaped core suspended between two pontoons. Each trap was positioned in the current so that water entered the 8 ft wide funnel mouth. Water entered the funnel and struck the internal screw core, causing the funnel to rotate. As the funnel

rotated, fish were trapped in pockets of water and forced rearward into a livebox, where captured fish could not escape. Aluminum screen panels were placed in the rear of both liveboxes to provide fish with areas of refuge and to minimize stress and mortality. The screens caught wood and plant debris while allowing fish to pass through openings cut in the lower corners.

The Oakdale trap was held in a static position in the main current by a 3/8 inch cable, which was suspended across the river about 40 feet above the water surface. Cables fastened to the front of each pontoon were attached to the overhead cable. This design held the trap in position while still providing adequate space for recreational river users to pass the trap safely.

Each of the Caswell traps were held in place with 1/4 inch cable fastened to large trees upstream on the north bank. The downstream force of the water on the traps kept the cables taught and near the water surface. Buoys marked the location of the cables for human safety. Although there is some recreational use of the river near the traps by small boats, canoes, and anglers in float tubes, the majority of river use in the vicinity of the State Park occurs downstream from the trap site. A sandbag wall extending approximately 5 ft out from the north bank was constructed in 1996 to divert flow into the traps and thereby increase trap efficiency. This wall remains at the site. The north trap fished about 10 ft downstream of this wall and approximately 8 - 12 ft from the bank in an area where the velocity was highest.

Safety Measures

Due to recreational use of the river, we took precautions to warn park visitors and river users of the inherent dangers associated with the presence of rotary screw traps. One sign with large letters was placed upstream from the traps to warn river users traveling downstream towards the traps. The sign was approximately 4 ft x 4 ft with reflective red letters on a white background. A flashing light, similar to ones seen on roadside

construction signs, was also placed on the traps to increase visibility at night. Reflective tape was applied to the A-frames of each trap to provide further warning.

To discourage people along the banks from swimming or floating towards the traps, numerous warning signs were also placed at conspicuous places along the north bank and on the trap facing the north bank. The signs warned of drowning danger near the traps and cautioned park visitors with messages such as "keep out" and "private property". The signs were in both English and Spanish.

Trap Monitoring

We installed the Oakdale rotary screw trap on December 11 and began sampling that evening. The Caswell traps were installed on December 22 and were processed that same evening. Monitoring continued at both sites until the last weekend in June. The Caswell traps were removed on June 28, and the Oakdale trap was removed on June 29. We did not fish the traps during the Christmas holiday (December 24-25) and the New Year's holiday (December 31-January 1). We also suspended our monitoring efforts on weekends in June because of safety concerns for the many recreational river users, particularly rafters, that float through the Oakdale vicinity beginning in late spring. On those weekends, we raised the trap's rotating cone from the water and pulled the trap closer to the banks, creating a wider passageway on the river. In addition, the Caswell cones were raised on January 21-22 for the weekend due to low catch.

We checked and cleaned the trap daily to prevent buildup on or in the cone where it could impair trap rotation. We also removed debris that accumulated against the trap and in the livebox. The debris load in the livebox was estimated and recorded whenever the trap was checked. During high winds, heavy rains or significant changes in flow—which usually increased the debris load—we checked the trap in the morning and at dusk, thus ensuring that the captured fish were not at risk due to a debris overload, and that the cones were operating properly. We also checked the traps several times daily during times of

higher turbid flows to document daytime catches of juvenile chinook, and when we had recently released marked fish. Following efficiency releases, we monitored the trap frequently until we were no longer recapturing marked fish.

During natural freshets, we monitored the Oakdale trap every two to three hours to reduce mortality of juvenile chinook fish, which rapidly accumulated in the livebox. We created areas for fish refuge in the livebox by placing a metal grate near the rear of the livebox. This grate helped separate the larger, more dangerous debris from other areas of the livebox. Cylinder blocks were placed inside the Oakdale livebox to add stability and additional cover. This partial barrier also helped to reduce the current in the rear of the livebox, thereby reducing stress on the fish it contained.

Each day, we removed the contents of the liveboxes in the morning and identified and counted all fish captured. Then, we randomly sampled 50 chinook and 20 of each other species and recorded their lengths in millimeters. All rainbow/steelhead and yearling chinook were measured. We cleaned the traps after all fish were recorded. We also collected daily scale samples from a few chinook, which were randomly selected from the livebox each week after they reached the appropriate size and stage of development. In addition, we took scale samples from most of the captured yearling chinook by using a small knife to scrape away a few scales in the area just behind the dorsal fin and above the lateral line. Each sample was placed in a separate labeled envelope with the length of the fish, date, time and smolt index recorded on the outside.

Smolt Index Rating

Each measured chinook and all captured rainbow trout/steelhead were checked for visible signs of smolting. We rated chinook and rainbow trout/steelhead on the same scale this year to facilitate database entry. This steelhead smolting scale rates the fish on a range of 1 through 5, with 1 being a yolk-sac fry, 2 a fry, 3 a parr, 4 a silvery parr, and 5 a smolt. In past years, chinook were rated on a scale from only 1 to 3, with 1 an obvious

parr (highly visible parr marks) and 3 an obvious smolt (silvery appearance, easily shed scales, blackened fin tips), therefore, we did not rate chinook as silvery parr this year so that direct comparisons could be made between years. The scale was provided by the Interagency Ecological Program (IEP) Steelhead Project Work Team.

EXPERIMENTAL RELEASE GROUPS

Trap Efficiency Releases

Generally, we accumulate natural fish over several days to have enough for a release group. If low capture rates prevented the use of natural fish, hatchery-reared fish were obtained from the Merced River Hatchery. All hatchery and natural groups were marked by dye inoculation using a photonic marking system. All marked fish were released at dark from their respective release sites.

We released twenty-four groups of fish from January 5 through May 23 to determine trap efficiencies at Oakdale. Six of the release groups consisted of hatchery fish. The remaining eighteen groups contained natural juvenile chinook that we captured in the Oakdale screw trap. Two of the release groups consisted of two smaller groups released as one larger mixed group, with each of the smaller groups having a distinctive mark. Between 197 and 2,390 fish were released in each group at Oakdale.

We released fourteen groups of fish from January 6 through May 31 to estimate trap efficiencies at Caswell. Due to low catch of natural fish, only three of the release groups consisted of natural juvenile chinook that were captured in the Caswell traps. The remaining eleven out of fourteen groups consisted of hatchery fish.

Holding Facility and Transport Method

Fish were held in free-standing net pens measuring 4 ft x 4 ft x 4 ft and 2 ft x 3 ft x 3

ft. The net pens consisted of 3/16 inch Delta mesh sewn on frames constructed of ½ inch diameter PVC pipe. The mesh on the top of each net pen was lined with velcro for access and canvas tops to provide necessary shade. The net pens were secured and kept in areas of low water velocity.

Fish were transferred from the net pens to 20-gallon insulated coolers for transport to the efficiency release site. Between 75 and 150 fish were placed in each cooler and transported a half-mile upstream from the trap for trap efficiency tests. The fish remained in the cooler for 15 to 45 minutes, depending on the circumstances. We always carried an aerator, but never needed to deliver oxygen to the coolers during transport.

Marking Procedure

A photonic marking system was used for marking all of the release groups because of the high quality of marks and the ability to use the marking equipment in rapid succession. All fish were anesthetized with MS-222 (Schoettger and Steucke 1970) before the appropriate mark was applied. With this method, a marker tip was placed against the caudal (top or bottom lobe), dorsal or anal fin and dye was injected into the fin rays. While one mark was applied to each fish, and all fish in a group received the same mark, the mark location was varied between groups so each group could be uniquely identified. Several different dye colors were used to differentiate the groups including alcian green, alcian blue, photonic pink, photonic blue, photonic orange, photonic yellow and, photonic green. The photonic and alcian dyes were chosen because of their known ability to provide a highly visible, long-lasting mark. The photonic dyes were purchased from NewWest Technologies of Santa Rosa, California, and the alcian dyes were purchased from Sigma Chemical Company of St. Louis, Missouri.

Pre-release Sampling

Marked fish were sampled for mean length and mark retention. Fifty fish were

randomly selected from each distinctly-marked group and anesthetized, and the remaining fish in each group were plus counted. Mark retention was rated as present or absent. If a mark was absent on any of the 50 fish, an additional 50 fish were sampled. The proportion of fish found to have visible marks in each group was used to estimate the actual number of marked fish released by the expression:

$$\text{number released} = \text{proportion mark retention} * \text{number in group}$$

If a mark was absent on any of the additional 50 fish, then the entire group was sorted and the unmarked fish were removed from the marked group and released below the traps. If the entire group was sorted, the number of unmarked fish were subtracted from the total number of fish.

Release Procedure

To estimate trapping efficiency, the fish were released a one-quarter to a half-mile above the trap. The Oakdale release site (RM 40.4) was where the main Oakdale waste pipe crosses over the Stanislaus River. The Caswell release site (RM 8.9) was next to the irrigation pumps on the north bank upstream from the traps. Before each release, the fish were placed in a cooler filled with water and transported to the release site. We released the fish by placing a dip net into the cooler, scooping up about 10 fish and dipping the net into the river so they could swim away. After releasing a "net-full" of fish, we waited 30 seconds to 3 minutes before releasing another net-full of about 10 fish. The amount of time between releases varied depending on how fast the fish swam away after their release. Release time for the groups ranged from 15 to 30 minutes depending on the size of the group.

SURVIVAL TESTS

All fish were coded wire tagged at the Merced River Hatchery and transported to

the release sites by the CDFG in groups of 25,000. Fish were released into the river in the same manner as last year in an effort to disperse fish more naturally over time. A large "leaky" net pen was used for the Stanislaus River releases at Knights Ferry (RM 54.3) and Two Rivers Park (RM 0).

The pen consisted of two 4 ft x 4 ft black plastic mesh panels flanked by seines. The "free" ends of each seine were attached to the shore and metal fence stakes provided support for the panels. Approximately 12 to 15 holes ranging from 2 inches to 4 inches in diameter were cut in each of the panels to allow fish to slowly escape. Leadlines were not secured to the substrate which allowed fish to escape from beneath them.

MONITORING ENVIRONMENTAL FACTORS

Flow Measurements

Daily flow data on the Stanislaus River was obtained from the California Data Exchange Center. All river flows cited in this report for Oakdale and Caswell were measured by the U.S. Geological Survey at Orange Blossom Bridge and Ripon, respectively. The flow data represent daily averages. Depth-velocity profiles were taken in front of each trap.

We used two methods to measure the velocity of water entering each trap. First, while checking the traps we measured water velocity with a Global Flow Probe, manufactured by Global Water (Fair Oaks, CA). Second, we calculated an average daily trap rotation speed of each trap. We determined the average time per revolution for the trap by measuring the time needed, in seconds, for it to make three contiguous revolutions. This measurement was taken twice daily, before and after cleaning, to ensure accuracy.

River Temperature and Relative Turbidity

Daily water temperature at the trap site was measured with a mercury thermometer. We also used Onset StowAway recording thermometers to record water temperature once per hour throughout the sampling season. These thermometers were installed at six sites on the Stanislaus between Goodwin and Caswell, including the Oakdale and Caswell sites. Daily average temperature was derived by averaging the 24-hourly measurements.

Turbidity was measured each day using a LaMotte turbidity meter, Model 2008. A water sample was collected from the back of the trap at both sites each morning and later tested at the field station. Turbidity was recorded in Nephelometric Turbidity Units (NTU's).

RELATED MONITORING

To further investigate the migration of juvenile chinook and their distribution in the river, seining surveys were conducted every other week from March 8 to June 8, except during periods of high flow when the sites were under water. Sites were chosen at five mile increments from Riverbank (RM 35) to the confluence with the San Joaquin (RM 0). Each site was sampled with a 20 ft long by 4 ft deep beach seine with 3/16" mesh. Each site was hauled three times and all fish captured were anesthetized, identified and counted. A random sample of 50 chinook and 20 incidental species from each haul was measured and recorded. All fish recovered in a bucket of freshwater and released into the river unharmed.

Key to Species Codes

Code	Common name	Scientific name
AFBH	Anal fin blue - hatchery	Not applicable
AFBN	Anal fin blue - natural	Not applicable
AFGH	Anal fin green - hatchery	Not applicable
AFKH	Anal fin black - hatchery	Not applicable
AFPH	Anal fin pink - hatchery	Not applicable
AMS	American Shad	<i>Alosa sapidissima</i>
BCBH	Bottom caudal blue - hatchery	Not applicable
BCGH	Bottom caudal green - hatchery	Not applicable
BCKH	Bottom caudal black - hatchery	Not applicable
BCPH	Bottom caudal pink - hatchery	Not applicable
BCPN	Bottom caudal pink - natural	Not applicable
BGS	Bluegill	<i>Lepomis microlophus</i>
BKB	Black bullhead	<i>Ictalurus melas</i>
BKS	Black crappie	<i>Pomoxis nigromaculatus</i>
BLFN	Bar left front - natural	Not applicable
BLRN	Bar left rear - natural	Not applicable
BRB	Brown bullhead	<i>Ictalurus nebulosus</i>
BRFN	Bar right front - natural	Not applicable
BRRN	Bar right rear - natural	Not applicable
C	Carp	<i>Cyprinus carpio</i>
CHC	Channel catfish	<i>Ictalurus punctatus</i>
CHNF	Chinook salmon	<i>Onchorhyncus tshawytscha</i>
CWT	Coded wire tag	Not applicable
DFGH	Dorsal fin green - hatchery	Not applicable
DFKH	Dorsal fin black - hatchery	Not applicable
DSM	Delta smelt	<i>Hypomesus transpacificus</i>
GF	Goldfish	<i>Carassius auratus</i>
GSF	Green sunfish	<i>Lepomis cyanellus</i>
GSN	Golden shiner	<i>Notemigonus crysoleucas</i>
HCH	Hitch	<i>Lavinia exilicauda</i>
HH	Hardhead	<i>Mylopharodon conocephalus</i>
LAM	Lamprey - unidentified species	Not applicable
LMB	Largemouth bass	<i>Micropterus salmoides</i>
LP	Logperch	<i>Percina macrolepidota</i>
MQK	Mosquitofish	<i>Gambusia affinis</i>
MSS	Inland Silverside	<i>Menidia beryllina</i>
PKS	Pumpkinseed	<i>Lepomis gibbonus</i>
PL	Pacific lamprey	<i>Lampetra tridentata</i>
PRS	Prickly sculpin	<i>Cottus asper</i>
RBT	Rainbow trout	<i>Onchorhyncus mykiss</i>
RBTT	Rainbow trout - tagged	<i>Onchorhyncus mykiss</i>
RES	Redear sunfish	<i>Lepomis microlophus</i>
RFS	Riffle sculpin	<i>Cottus gulosus</i>
RL	River lamprey	<i>Lampetra ayresi</i>
RSN	Red shiner	<i>Notropis lutrensis</i>
SASQ	Sacramento squawfish	<i>Ptychocheilus grandis</i>
SASU	Sacramento sucker	<i>Catostomus occidentalis</i>
SCB	Sacramento blackfish	<i>Orthodon microlepidotus</i>
SMB	Smallmouth bass	<i>Micropterus dolomieu</i>
SP	Sacramento perch	<i>Archoplites interruptus</i>
SPLT	Sacramento splittail	<i>Pogonichthys cinctoides</i>
STB	Striped bass	<i>Morone saxatilis</i>
TCBH	Top caudal blue - hatchery	Not applicable
TCBN	Top caudal blue - natural	Not applicable
TCGH	Top caudal green - hatchery	Not applicable
TCGN	Top caudal green - natural	Not applicable
TCKH	Top caudal black - hatchery	Not applicable
TCON	Top caudal orange - natural	Not applicable
TCYN	Top caudal yellow - natural	Not applicable
TFS	Threadfin shad	<i>Dorosoma petenense</i>
TP	Tule perch	<i>Hysterocarpus traski</i>
UNID	Unidentified species	Not applicable
WAG	Wakasagi	<i>Hypomesus nipponensis</i>
WHC	White catfish	<i>Ictalurus catus</i>
WHS	White crappie	<i>Pomoxis annularis</i>
YFB	Yellow bullhead	<i>Ictalurus natalis</i>

Section 2. Caswell Trapping Site

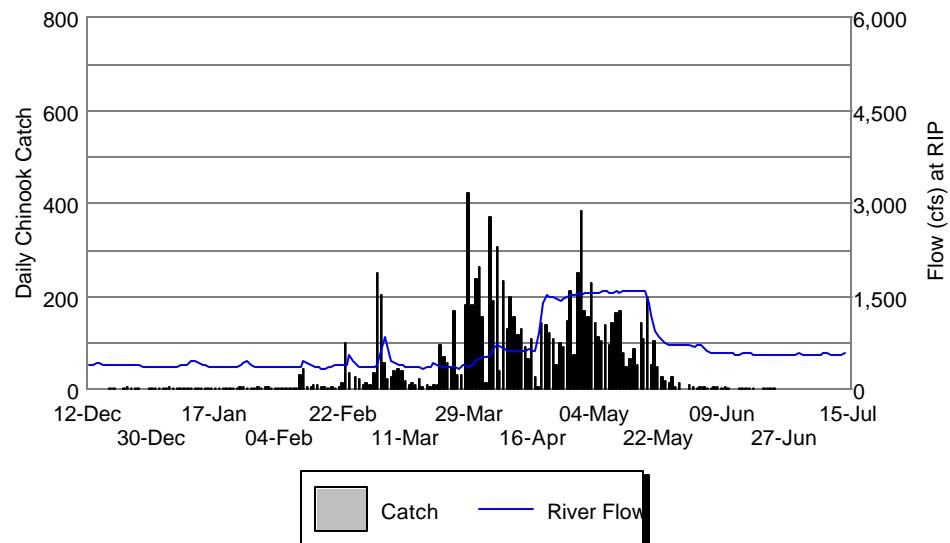
Daily Chinook Catch at Caswell in 2001

Date	North Trap Count	South Trap Count	Combined Count	Date	North Trap Count	South Trap Count	Combined Count
22-Dec-00	2	0	2	18-Feb-01	4	6	10
23-Dec-00	0	0	0	19-Feb-01	7	4	11
24-Dec-00	ns	ns	ns	20-Feb-01	3	2	5
25-Dec-00	ns	ns	ns	21-Feb-01	4	1	5
26-Dec-00	0	0	0	22-Feb-01	0	0	0
27-Dec-00	3	0	3	23-Feb-01	2	1	3
28-Dec-00	0	0	0	24-Feb-01	1	0	1
29-Dec-00	1	0	1	25-Feb-01	1	4	5
30-Dec-00	1	0	1	26-Feb-01	6	11	17
31-Dec-00	ns	ns	ns	27-Feb-01	69	41	110
01-Jan-01	ns	ns	ns	28-Feb-01	13	8	21
02-Jan-01	0	0	0	01-Mar-01	21	14	35
03-Jan-01	0	0	0	02-Mar-01	12	5	17
04-Jan-01	0	0	0	03-Mar-01	5	9	14
05-Jan-01	0	0	0	04-Mar-01	3	5	8
06-Jan-01	38	82	120	05-Mar-01	3	7	10
07-Jan-01	102	50	152	06-Mar-01	20	22	42
08-Jan-01	83	40	123	07-Mar-01	179	86	265
09-Jan-01	0	0	0	08-Mar-01	119	78	197
10-Jan-01	2	2	4	09-Mar-01	31	25	56
11-Jan-01	0	0	0	10-Mar-01	12	8	20
12-Jan-01	1	0	1	11-Mar-01	17	7	24
13-Jan-01	0	1	1	12-Mar-01	32	7	39
14-Jan-01	0	0	0	13-Mar-01	33	12	45
15-Jan-01	0	1	1	14-Mar-01	31	5	36
16-Jan-01	2	0	2	15-Mar-01	14	2	16
17-Jan-01	0	0	0	16-Mar-01	191	124	315
18-Jan-01	0	0	0	17-Mar-01	30	3	33
19-Jan-01	0	1	1	18-Mar-01	39	27	66
20-Jan-01	0	0	0	19-Mar-01	8	4	12
21-Jan-01	ns	ns	ns	20-Mar-01	4	2	6
22-Jan-01	ns	ns	ns	21-Mar-01	8	1	9
23-Jan-01	0	0	0	22-Mar-01	2	1	3
24-Jan-01	0	0	0	23-Mar-01	9	1	10
25-Jan-01	0	0	0	24-Mar-01	19	5	24
26-Jan-01	0	0	0	25-Mar-01	66	28	94
27-Jan-01	0	0	0	26-Mar-01	47	16	63
28-Jan-01	6	1	7	27-Mar-01	40	14	54
29-Jan-01	1	5	6	28-Mar-01	85	67	152
30-Jan-01	0	0	0	29-Mar-01	117	39	156
31-Jan-01	1	1	2	30-Mar-01	6	9	15
01-Feb-01	0	0	0	31-Mar-01	51	70	121
02-Feb-01	2	1	3	01-Apr-01	131	36	167
03-Feb-01	0	0	0	02-Apr-01	270	150	420
04-Feb-01	4	2	6	03-Apr-01	131	40	171
05-Feb-01	3	0	3	04-Apr-01	230	96	326
06-Feb-01	1	1	2	05-Apr-01	178	155	333
07-Feb-01	0	0	0	06-Apr-01	6	142	148
08-Feb-01	0	1	1	07-Apr-01	27	3	30
09-Feb-01	0	0	0	08-Apr-01	63	339	402
10-Feb-01	0	0	0	09-Apr-01	101	61	162
11-Feb-01	0	0	0	10-Apr-01	120	167	287
12-Feb-01	0	0	0	11-Apr-01	56	98	154
13-Feb-01	2	0	2	12-Apr-01	62	217	279
14-Feb-01	29	10	39	13-Apr-01	79	45	124
15-Feb-01	16	20	36	14-Apr-01	96	89	185
16-Feb-01	5	0	5	15-Apr-01	80	76	156
17-Feb-01	4	0	4	16-Apr-01	54	56	110

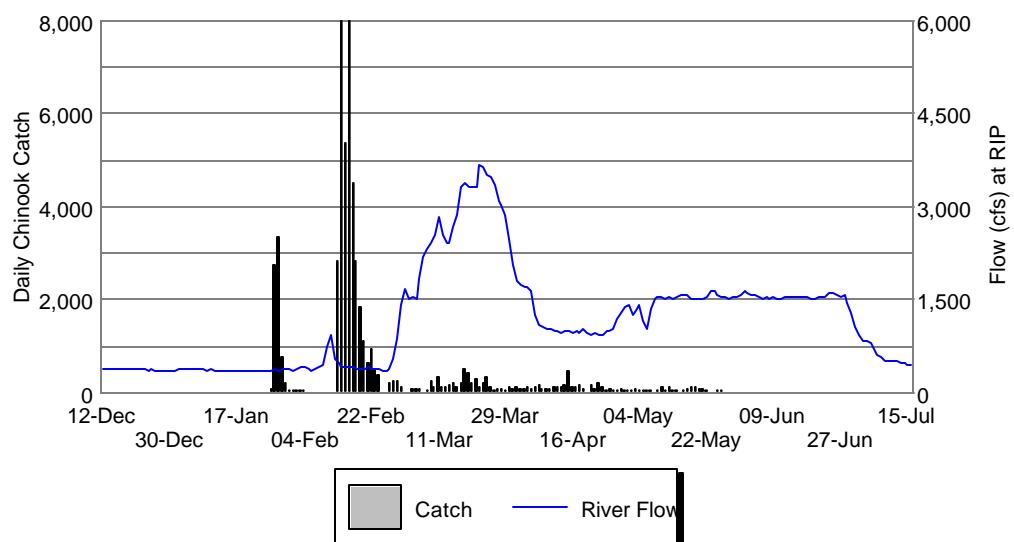
Daily Chinook Catch at Caswell in 2001

Date	North Trap Count	South Trap Count	Combined Count	Date	North Trap Count	South Trap Count	Combined Count
17-Apr-01	106	70	176	14-Jun-01	4	0	4
18-Apr-01	49	18	67	15-Jun-01	2	0	2
19-Apr-01	85	24	109	16-Jun-01	ns	ns	ns
20-Apr-01	28	35	63	17-Jun-01	ns	ns	ns
21-Apr-01	7	12	19	18-Jun-01	0	0	0
22-Apr-01	9	56	65	19-Jun-01	0	0	0
23-Apr-01	47	63	110	20-Jun-01	0	0	0
24-Apr-01	54	64	118	21-Jun-01	0	0	0
25-Apr-01	80	135	215	22-Jun-01	0	0	0
26-Apr-01	36	84	120	23-Jun-01	ns	ns	ns
27-Apr-01	24	41	65	24-Jun-01	ns	ns	ns
28-Apr-01	12	69	81	25-Jun-01	0	0	0
29-Apr-01	36	61	97	26-Jun-01	0	0	0
30-Apr-01	37	105	142	27-Jun-01	0	0	0
01-May-01	46	171	217	28-Jun-00	0	0	0
02-May-01	33	44	77				
03-May-01	35	194	229				
04-May-01	47	342	389				
05-May-01	11	153	164				
06-May-01	43	148	191				
07-May-01	49	152	201				
08-May-01	24	110	134				
09-May-01	22	101	123				
10-May-01	14	77	91				
11-May-01	22	115	137				
12-May-01	26	71	97				
13-May-01	35	106	141				
14-May-01	42	128	170				
15-May-01	63	102	165				
16-May-01	23	51	74				
17-May-01	49	1	50				
18-May-01	17	45	62				
19-May-01	28	60	88				
20-May-01	14	34	48				
21-May-01	51	94	145				
22-May-01	49	62	111				
23-May-01	87	109	196				
24-May-01	53	161	214				
25-May-01	104	83	187				
26-May-01	82	78	160				
27-May-01	8	8	16				
28-May-01	11	6	17				
29-May-01	4	11	15				
30-May-01	23	3	26				
31-May-01	20	66	86				
01-Jun-01	1	1	2				
02-Jun-01	ns	ns	ns				
03-Jun-01	ns	ns	ns				
04-Jun-01	4	6	10				
05-Jun-01	2	2	4				
06-Jun-01	0	0	0				
07-Jun-01	4	1	5				
08-Jun-01	4	1	5				
09-Jun-01	ns	ns	ns				
10-Jun-01	ns	ns	ns				
11-Jun-01	3	1	4				
12-Jun-01	0	3	3				
13-Jun-01	0	0	0				

Daily 2001 Flow at RIP and Chinook Catch at Caswell



Daily 2000 Flow at RIP and Chinook Catch at Caswell



* catch peaked at 23,531 on 14-Feb and 11,358 on 16-Feb

Daily Chinook Mean Length at Caswell in 2001

Date	North Trap Length (mm)	South Trap Length (mm)	Combined Length (mm)	Date	North Trap Length (mm)	South Trap Length (mm)	Combined Length (mm)
22-Dec-00	32.50	-	32.50	18-Feb-01	36.67	34.20	35.12
23-Dec-00	-	-	-	19-Feb-01	37.57	35.25	36.73
24-Dec-00	ns	ns	ns	20-Feb-01	35.00	36.50	35.60
25-Dec-00	ns	ns	ns	21-Feb-01	36.75	37.00	36.80
26-Dec-00	-	-	-	22-Feb-01	-	-	-
27-Dec-00	34.33	-	34.33	23-Feb-01	37.00	34.00	36.00
28-Dec-00	-	-	-	24-Feb-01	36.00	-	36.00
29-Dec-00	36.00	-	36.00	25-Feb-01	37.00	36.00	36.25
30-Dec-00	36.00	-	36.00	26-Feb-01	35.50	36.29	35.92
31-Dec-00	ns	ns	ns	27-Feb-01	34.82	35.10	34.93
01-Jan-01	ns	ns	ns	28-Feb-01	34.89	35.43	35.12
02-Jan-01	-	-	-	01-Mar-01	35.69	34.92	35.32
03-Jan-01	-	-	-	02-Mar-01	34.88	36.00	35.25
04-Jan-01	-	-	-	03-Mar-01	35.00	35.67	35.40
05-Jan-01	-	-	-	04-Mar-01	35.67	36.00	35.86
06-Jan-01	33.75	34.00	33.91	05-Mar-01	35.00	35.00	35.00
07-Jan-01	34.26	34.23	34.25	06-Mar-01	35.42	35.12	35.25
08-Jan-01	35.00	34.50	34.72	07-Mar-01	42.50	37.84	40.23
09-Jan-01	-	-	-	08-Mar-01	40.05	38.95	39.50
10-Jan-01	-	-	-	09-Mar-01	40.69	37.43	39.17
11-Jan-01	-	-	-	10-Mar-01	43.90	42.71	43.41
12-Jan-01	34.00	-	34.00	11-Mar-01	47.20	48.43	47.59
13-Jan-01	-	36.00	36.00	12-Mar-01	52.26	42.86	50.07
14-Jan-01	-	-	-	13-Mar-01	51.59	52.73	51.90
15-Jan-01	-	35.00	35.00	14-Mar-01	55.04	52.80	54.68
16-Jan-01	36.50	-	36.50	15-Mar-01	55.91	60.50	56.62
17-Jan-01	-	-	-	16-Mar-01	46.98	46.47	46.76
18-Jan-01	-	-	-	17-Mar-01	47.21	54.33	48.00
19-Jan-01	-	35.00	35.00	18-Mar-01	46.86	48.57	47.58
20-Jan-01	-	-	-	19-Mar-01	47.25	56.50	50.33
21-Jan-01	ns	ns	ns	20-Mar-01	49.75	35.50	45.00
22-Jan-01	ns	ns	ns	21-Mar-01	74.75	70.00	74.22
23-Jan-01	-	-	-	22-Mar-01	74.00	88.00	78.67
24-Jan-01	-	-	-	23-Mar-01	58.88	82.00	61.44
25-Jan-01	-	-	-	24-Mar-01	70.79	65.20	69.62
26-Jan-01	-	-	-	25-Mar-01	65.63	61.21	64.23
27-Jan-01	-	-	-	26-Mar-01	67.94	66.55	67.58
28-Jan-01	35.50	34.00	35.20	27-Mar-01	64.46	66.86	65.12
29-Jan-01	38.00	36.25	36.60	28-Mar-01	63.70	65.59	64.55
30-Jan-01	-	-	-	29-Mar-01	65.74	63.78	64.95
31-Jan-01	35.00	36.00	35.50	30-Mar-01	68.33	63.22	65.27
01-Feb-01	-	-	-	31-Mar-01	64.13	65.41	64.82
02-Feb-01	35.00	35.00	35.00	01-Apr-01	67.73	65.38	66.82
03-Feb-01	-	-	-	02-Apr-01	64.41	67.59	65.87
04-Feb-01	35.00	35.50	35.20	03-Apr-01	69.14	68.77	68.98
05-Feb-01	36.00	-	36.00	04-Apr-01	68.05	67.22	67.65
06-Feb-01	35.00	38.00	36.50	05-Apr-01	66.45	67.17	66.81
07-Feb-01	-	-	-	06-Apr-01	63.80	67.36	66.77
08-Feb-01	-	37.00	37.00	07-Apr-01	67.65	67.33	67.61
09-Feb-01	-	-	-	08-Apr-01	65.57	67.62	66.52
10-Feb-01	-	-	-	09-Apr-01	68.41	67.66	68.06
11-Feb-01	-	-	-	10-Apr-01	65.16	69.22	66.89
12-Feb-01	-	-	-	11-Apr-01	67.15	67.81	67.53
13-Feb-01	37.50	-	37.50	12-Apr-01	68.05	68.68	68.44
14-Feb-01	36.50	34.88	35.78	13-Apr-01	68.80	69.04	68.88
15-Feb-01	36.38	34.77	35.38	14-Apr-01	66.81	66.63	66.73
16-Feb-01	35.40	-	35.40	15-Apr-01	73.42	69.19	71.52
17-Feb-01	35.50	-	35.50	16-Apr-01	70.83	70.50	70.67

Daily Chinook Mean Lengths at Caswell in 2001

Date	North Trap Length (mm)	South Trap Length (mm)	Combined Length (mm)	Date	North Trap Length (mm)	South Trap Length (mm)	Combined Length (mm)
17-Apr-01	71.27	68.49	70.02	14-Jun-01	83.50	-	83.50
18-Apr-01	72.41	71.69	72.19	15-Jun-01	83.50	-	83.50
19-Apr-01	72.03	70.05	71.31	16-Jun-01	ns	ns	ns
20-Apr-01	75.56	72.29	73.79	17-Jun-01	ns	ns	ns
21-Apr-01	71.86	72.56	72.25	18-Jun-01	-	-	-
22-Apr-01	75.25	72.19	73.21	19-Jun-01	-	-	-
23-Apr-01	72.97	71.89	72.35	20-Jun-01	-	-	-
24-Apr-01	71.26	72.58	72.02	21-Jun-01	-	-	-
25-Apr-01	73.43	71.02	72.21	22-Jun-01	-	-	-
26-Apr-01	74.86	73.57	74.12	23-Jun-01	ns	ns	ns
27-Apr-01	72.83	71.93	72.28	24-Jun-01	ns	ns	ns
28-Apr-01	75.00	73.16	73.56	25-Jun-01	-	-	-
29-Apr-01	73.22	74.00	73.66	26-Jun-01	-	-	-
30-Apr-01	76.33	73.62	74.67	27-Jun-01	-	-	-
01-May-01	75.00	75.88	75.49	28-Jun-01	-	-	-
02-May-01	75.70	74.04	74.78				
03-May-01	76.94	77.23	77.10				
04-May-01	77.74	77.05	77.41				
05-May-01	72.09	75.14	74.09				
06-May-01	75.96	77.24	76.66				
07-May-01	77.21	75.75	76.48				
08-May-01	76.30	76.71	76.55				
09-May-01	79.11	77.53	78.14				
10-May-01	78.67	79.38	79.14				
11-May-01	77.53	76.82	77.11				
12-May-01	82.61	79.56	80.84				
13-May-01	81.29	77.38	78.94				
14-May-01	82.67	79.24	80.78				
15-May-01	81.22	78.87	80.06				
16-May-01	79.77	79.84	79.82				
17-May-01	79.70	61.00	78.92				
18-May-01	80.33	80.41	80.38				
19-May-01	80.00	79.12	79.49				
20-May-01	85.50	82.12	83.42				
21-May-01	82.16	83.49	82.86				
22-May-01	82.00	81.35	81.66				
23-May-01	85.09	84.23	84.66				
24-May-01	80.74	83.00	82.30				
25-May-01	79.74	77.98	78.90				
26-May-01	80.83	79.54	80.36				
27-May-01	81.86	82.71	82.29				
28-May-01	78.90	79.33	79.06				
29-May-01	83.67	81.57	82.20				
30-May-01	83.40	79.00	82.88				
31-May-01	82.73	81.67	82.05				
01-Jun-01	91.00	88.00	89.50				
02-Jun-01	ns	ns	ns				
03-Jun-01	ns	ns	ns				
04-Jun-01	82.00	83.67	83.00				
05-Jun-01	88.50	88.50	88.50				
06-Jun-01	-	-	-				
07-Jun-01	80.50	85.00	81.40				
08-Jun-01	87.00	89.00	87.40				
09-Jun-01	ns	ns	ns				
10-Jun-01	ns	ns	ns				
11-Jun-01	85.67	79.00	84.00				
12-Jun-01	-	90.33	90.33				
13-Jun-01	-	-	-				

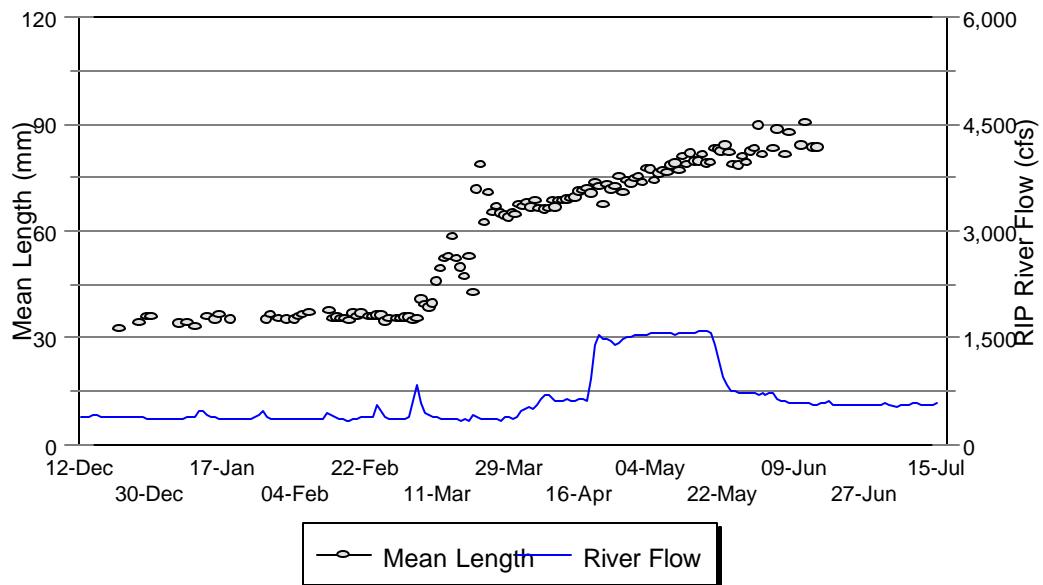
Daily Chinook Minimum, Maximum and Average Lengths at Caswell in 2001.

Date	Min	Average	Max	Date	Min	Average	Max
22-Dec-00	31	32.50	34	18-Feb-01	30	35.12	37
23-Dec-00	-	-	-	19-Feb-01	32	36.73	40
24-Dec-00	ns	ns	ns	20-Feb-01	34	35.60	37
25-Dec-00	ns	ns	ns	21-Feb-01	35	36.80	39
26-Dec-00	-	-	-	22-Feb-01	-	-	-
27-Dec-00	33	34.33	36	23-Feb-01	34	36.00	38
28-Dec-00	-	-	-	24-Feb-01	36	36.00	36
29-Dec-00	36	36.00	36	25-Feb-01	35	36.25	37
30-Dec-00	36	36.00	36	26-Feb-01	34	35.92	39
31-Dec-00	ns	ns	ns	27-Feb-01	30	34.93	40
01-Jan-01	ns	ns	ns	28-Feb-01	31	35.12	38
02-Jan-01	-	-	-	01-Mar-01	33	35.32	39
03-Jan-01	-	-	-	02-Mar-01	33	35.25	38
04-Jan-01	-	-	-	03-Mar-01	33	35.40	38
05-Jan-01	-	-	-	04-Mar-01	34	35.86	38
06-Jan-01	34	33.91	34	05-Mar-01	32	35.00	37
07-Jan-01	34	34.25	35	06-Mar-01	30	35.25	40
08-Jan-01	33	34.72	35	07-Mar-01	31	40.23	74
09-Jan-01	-	-	-	08-Mar-01	31	39.50	59
10-Jan-01	30	-	36	09-Mar-01	29	39.17	51
11-Jan-01	-	-	-	10-Mar-01	34	43.41	97
12-Jan-01	-	34.00	-	11-Mar-01	34	47.59	75
13-Jan-01	36	36.00	36	12-Mar-01	34	50.07	74
14-Jan-01	-	-	-	13-Mar-01	29	51.90	88
15-Jan-01	35	35.00	35	14-Mar-01	32	54.68	78
16-Jan-01	36	36.50	37	15-Mar-01	35	56.62	78
17-Jan-01	-	-	-	16-Mar-01	36	46.76	70
18-Jan-01	-	-	-	17-Mar-01	32	48.00	68
19-Jan-01	35	35.00	35	18-Mar-01	34	47.58	88
20-Jan-01	-	-	-	19-Mar-01	36	50.33	84
21-Jan-01	ns	ns	ns	20-Mar-01	35	45.00	56
22-Jan-01	ns	ns	ns	21-Mar-01	54	74.22	87
23-Jan-01	-	-	-	22-Mar-01	58	78.67	90
24-Jan-01	-	-	-	23-Mar-01	35	61.44	91
25-Jan-01	-	-	-	24-Mar-01	35	69.62	98
26-Jan-01	-	-	-	25-Mar-01	31	64.23	31
27-Jan-01	-	-	-	26-Mar-01	92	67.58	92
28-Jan-01	34	35.20	37	27-Mar-01	46	65.12	87
29-Jan-01	34	36.60	39	28-Mar-01	46	64.55	82
30-Jan-01	-	-	-	29-Mar-01	52	64.95	85
31-Jan-01	35	35.50	36	30-Mar-01	57	65.27	81
01-Feb-01	-	-	-	31-Mar-01	47	64.82	88
02-Feb-01	35	35.00	35	01-Apr-01	39	66.82	104
03-Feb-01	-	-	-	02-Apr-01	36	65.87	90
04-Feb-01	33	35.20	37	03-Apr-01	56	68.98	93
05-Feb-01	34	36.00	39	04-Apr-01	36	67.65	92
06-Feb-01	35	36.50	38	05-Apr-01	48	66.81	90
07-Feb-01	-	-	-	06-Apr-01	53	66.77	84
08-Feb-01	37	37.00	37	07-Apr-01	59	67.61	80
09-Feb-01	-	-	-	08-Apr-01	53	66.52	84
10-Feb-01	-	-	-	09-Apr-01	55	68.06	90
11-Feb-01	-	-	-	10-Apr-01	52	66.89	82
12-Feb-01	-	-	-	11-Apr-01	56	67.53	85
13-Feb-01	36	37.50	39	12-Apr-01	55	68.44	86
14-Feb-01	30	35.78	40	13-Apr-01	59	68.88	82
15-Feb-01	31	35.38	46	14-Apr-01	55	66.73	85
16-Feb-01	32	35.40	38	15-Apr-01	90	71.52	90
17-Feb-01	35	35.50	36	16-Apr-01	56	70.67	90

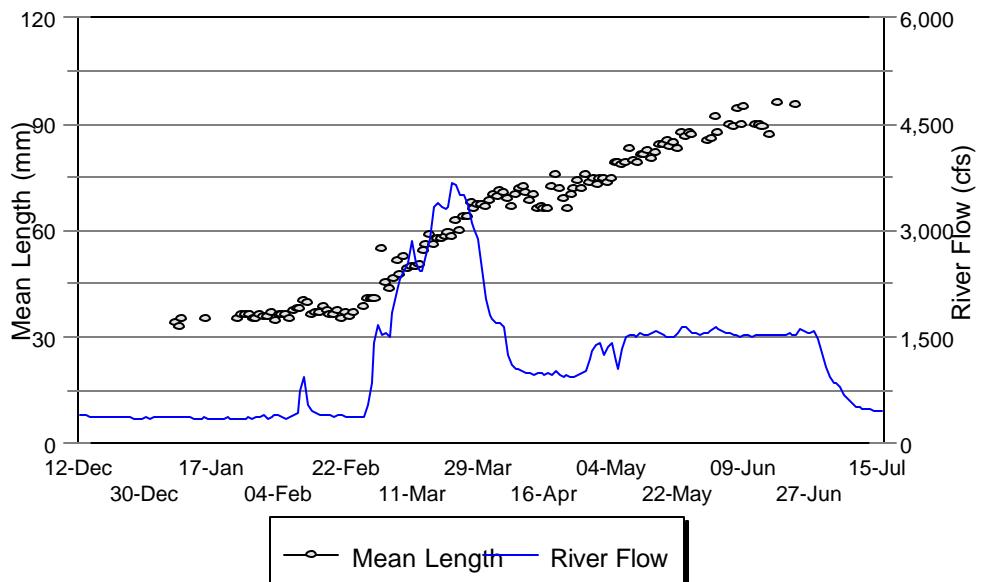
Daily Chinook Minimum, Maximum and Average Lengths at Caswell in 2001.

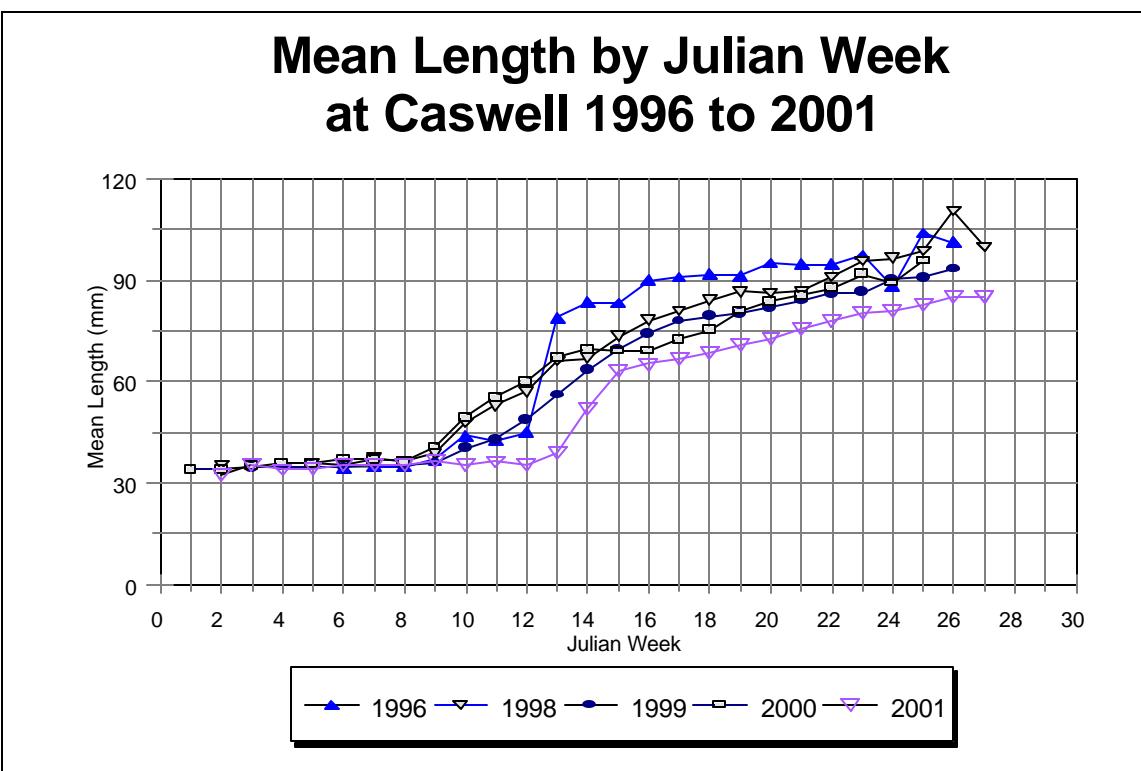
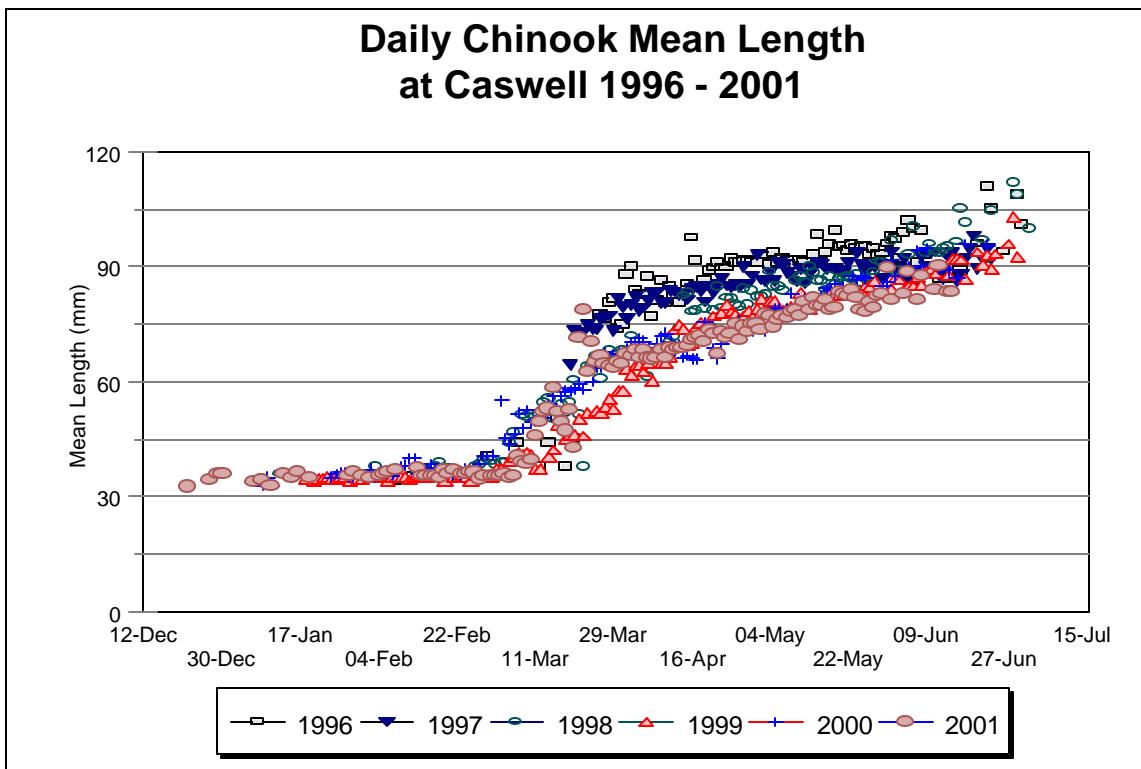
Date	Min	Average	Max		Date	Min	Average	Max
17-Apr-01	59	70.02	87		14-Jun-01	76	83.50	91
18-Apr-01	60	72.19	95		15-Jun-01	83	83.50	84
19-Apr-01	60	71.31	90		16-Jun-01	ns	ns	ns
20-Apr-01	57	73.79	97		17-Jun-01	ns	ns	ns
21-Apr-01	64	72.25	80		18-Jun-01	-	-	-
22-Apr-01	60	73.21	85		19-Jun-01	-	-	-
23-Apr-01	55	72.35	84		20-Jun-01	-	-	-
24-Apr-01	58	72.02	88		21-Jun-01	-	-	-
25-Apr-01	37	72.21	88		22-Jun-01	-	-	-
26-Apr-01	57	74.12	85		23-Jun-01	ns	ns	ns
27-Apr-01	47	72.28	85		24-Jun-01	ns	ns	ns
28-Apr-01	61	73.56	98		25-Jun-01	-	-	-
29-Apr-01	56	73.66	90		26-Jun-01	-	-	-
30-Apr-01	55	74.67	93		27-Jun-01	-	-	-
01-May-01	53	75.49	110		28-Jun-01	-	-	-
02-May-01	53	74.78	92					
03-May-01	58	77.10	97					
04-May-01	65	77.41	100					
05-May-01	45	74.09	93					
06-May-01	38	76.66	96					
07-May-01	61	76.48	90					
08-May-01	67	76.55	92					
09-May-01	64	78.14	95					
10-May-01	46	79.14	90					
11-May-01	65	77.11	89					
12-May-01	67	80.84	95					
13-May-01	46	78.94	92					
14-May-01	64	80.78	99					
15-May-01	67	80.06	97					
16-May-01	67	79.82	107					
17-May-01	58	78.92	98					
18-May-01	70	80.38	95					
19-May-01	65	79.49	95					
20-May-01	68	83.42	98					
21-May-01	62	82.86	95					
22-May-01	65	81.66	101					
23-May-01	71	84.66	100					
24-May-01	61	82.30	94					
25-May-01	66	78.90	92					
26-May-01	69	80.36	91					
27-May-01	69	82.29	92					
28-May-01	70	79.06	86					
29-May-01	74	82.20	88					
30-May-01	75	82.88	94					
31-May-01	70	82.05	92					
01-Jun-01	88	89.50	91					
02-Jun-01	ns	ns	ns					
03-Jun-01	ns	ns	ns					
04-Jun-01	72	83.00	91					
05-Jun-01	82	88.50	95					
06-Jun-01	-	-	-					
07-Jun-01	73	81.40	86					
08-Jun-01	80	87.40	91					
09-Jun-01	ns	ns	ns					
10-Jun-01	ns	ns	ns					
11-Jun-01	76	84.00	94					
12-Jun-01	82	90.33	95					
13-Jun-01	-	-	-					

2001 Daily Chinook Mean Lengths at Caswell



2000 Daily Chinook Mean Lengths at Caswell

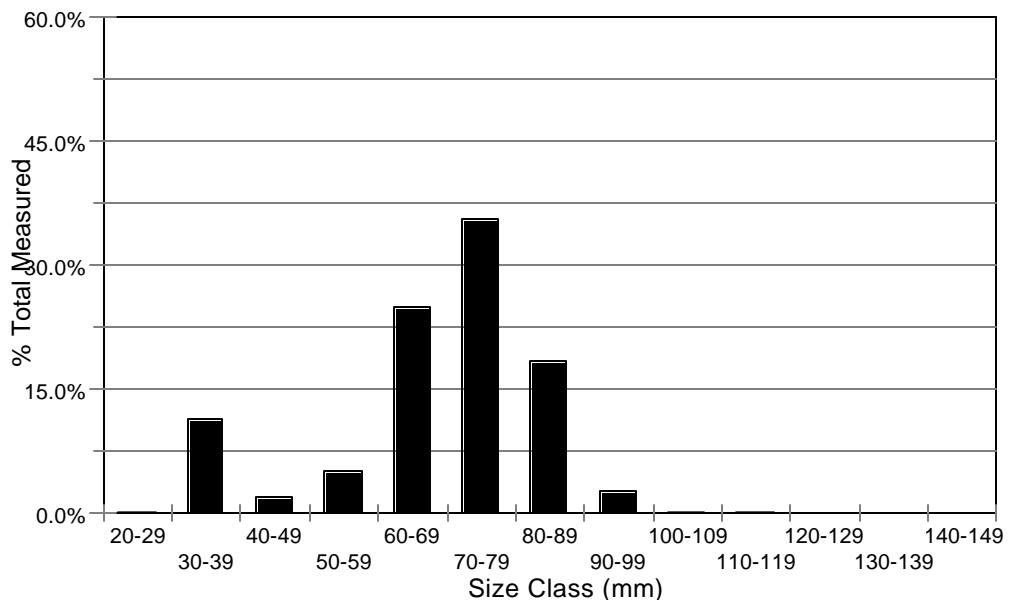




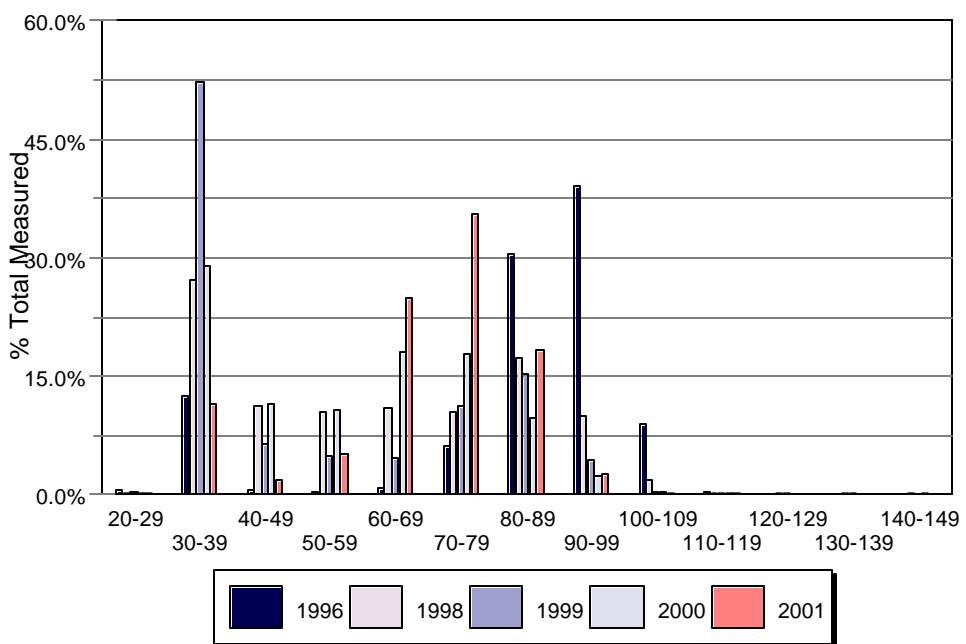
2001 Length frequency table for all chinook measured at Caswell.

Length Interval (mm)	Julian Week																											Season			
	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	Total
20-29																1	1													2	0.03%
30-39	2	5	1	8	4	7	17	6	93	30	213	303	40	11	1	2	1			1	1								746	11.42%	
40-49									2	1	1	58	36	16	4	2			1	1	2									124	1.90%
50-59										13	51	27	98	80	47	8	5	7		1									337	5.16%	
60-69										1	30	42	220	358	461	219	172	73	28	16	13								1633	24.99%	
70-79										2	11	33	117	179	278	205	378	373	320	222	173	26	4	3						2324	35.57%
80-89											2	15	15	34	32	56	84	158	225	236	277	41	14	6						1195	18.29%
90-99											1	3	3	4	2	5	6	10	25	41	50	7	6	4						167	2.56%
100-109													1						1	1	2								5	0.08%	
110-119																				1										1	0.02%
120-129																															
130-139																															
140-149																															
	0	2	5	1	8	4	7	17	6	95	31	214	379	171	147	459	659	821	493	647	625	600	517	515	74	24	13	0	0	6534	

Length Frequency of Measured Chinook at Caswell - 2001



Length Frequencies of Chinook Measured at Caswell 1996-2001



Chinook smolt index values for all natural chinook rated during 2001.

Date	ST004N				ST004S				Combined			
	# 1	# 2	# 3	Mean Index	# 1	# 2	# 3	Mean Index	# 1	# 2	# 3	Mean Index
22-Dec-00	2			1.00				-		2		1.00
23-Dec-00				-				-				-
24-Dec-00	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
25-Dec-00	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
26-Dec-00				-				-				-
27-Dec-00	3			1.00				-		3		1.00
28-Dec-00				-				-				-
29-Dec-00	1			1.00				-		1		1.00
30-Dec-00	1			1.00				-		1		1.00
31-Dec-00	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
01-Jan-01	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
02-Jan-01				-				-				-
03-Jan-01				-				-				-
04-Jan-01				-				-				-
05-Jan-01				-				-				-
06-Jan-01				-	1			1.00		1		1.00
07-Jan-01				-				-				-
08-Jan-01	3			1.00		2		1.00		5		1.00
09-Jan-01				-				-				-
10-Jan-01	1			1.00		1		1.00		2		1.00
11-Jan-01				-				-				-
12-Jan-01				-				-				-
13-Jan-01				-	1			1.00		1		1.00
14-Jan-01				-				-				-
15-Jan-01				-	1			1.00		1		1.00
16-Jan-01	2			1.00				-		2		1.00
17-Jan-01				-				-				-
18-Jan-01				-				-				-
19-Jan-01				-	1			1.00		1		1.00
20-Jan-01				-				-				-
21-Jan-01	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
22-Jan-01	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
23-Jan-01				-				-				-
24-Jan-01				-				-				-
25-Jan-01				-				-				-
26-Jan-01				-				-				-
27-Jan-01				-				-				-
28-Jan-01	6			1.00		1		1.00		7		1.00
29-Jan-01	1			1.00		5		1.00		6		1.00
30-Jan-01				-				-				-
31-Jan-01	1			1.00		1		1.00		2		1.00
01-Feb-01				-				-				-
02-Feb-01	2			1.00		1		1.00		3		1.00
03-Feb-01				-				-				-
04-Feb-01	4			1.00		2		1.00		6		1.00
05-Feb-01	3			1.00				-		3		1.00
06-Feb-01	1			1.00		1		1.00		2		1.00
07-Feb-01				-				-				-
08-Feb-01				-		1		1.00		1		1.00
09-Feb-01				-				-				-
10-Feb-01				-				-				-
11-Feb-01				-				-				-
12-Feb-01				-				-				-
13-Feb-01	2			1.00				-		2		1.00
14-Feb-01	24			1.00		6		1.00		30		1.00
15-Feb-01	21			1.00		24		1.00		45		1.00
16-Feb-01	5			1.00				-		5		1.00
17-Feb-01	4			1.00				-		4		1.00

Chinook smolt index values for all natural chinook rated during 2001.

Date	ST004N				ST004S				Combined			
	# 1	# 2	# 3	Mean Index	# 1	# 2	# 3	Mean Index	# 1	# 2	# 3	Mean Index
18-Feb-01	3			1.00	6			1.00	9			1.00
19-Feb-01	7			1.00	2			1.00	9			1.00
20-Feb-01	4			1.00	1			1.00	5			1.00
21-Feb-01	4			1.00	2			1.00	6			1.00
22-Feb-01				-				-				-
23-Feb-01	2			1.00	1			1.00	3			1.00
24-Feb-01	1			1.00				-	1			1.00
25-Feb-01	1			1.00	4			1.00	5			1.00
26-Feb-01	4			1.00	9			1.00	13			1.00
27-Feb-01	52			1.00	41			1.00	93			1.00
28-Feb-01	24			1.00	10			1.00	34			1.00
01-Mar-01	18			1.00	11			1.00	29			1.00
02-Mar-01	13			1.00	8			1.00	21			1.00
03-Mar-01	5			1.00	6			1.00	11			1.00
04-Mar-01	5			1.00	8			1.00	13			1.00
05-Mar-01	2			1.00	7			1.00	9			1.00
06-Mar-01	19			1.00	17			1.00	36			1.00
07-Mar-01	50	2		1.04	53	2		1.04	103	4		1.04
08-Mar-01	62			1.00	57	1		1.02	119	1		1.01
09-Mar-01	35			1.00	21			1.00	56			1.00
10-Mar-01	9			1.00	15			1.00	24			1.00
11-Mar-01	15	5		1.25	5	2		1.29	20	7		1.26
12-Mar-01	19	11		1.37	10			1.00	29	11		1.28
13-Mar-01	23	9		1.28	8	3		1.27	31	12		1.28
14-Mar-01	10	23		1.70	1	4		1.80	11	27		1.71
15-Mar-01	5	10		1.67	1	2		1.67	6	12		1.67
16-Mar-01	2	4		1.67	3	2		1.40	5	6		1.55
17-Mar-01	8	2		1.20	1	1		1.50	9	3		1.25
18-Mar-01	7	1		1.13		1		2.00	7	2		1.22
19-Mar-01	7	6		1.46	5	3		1.38	12	9		1.43
20-Mar-01	2	2		1.50		3		1.00	5	2		1.29
21-Mar-01	1	6		1.86		1		2.00	1	7		1.88
22-Mar-01		2		2.00		1		2.00		3		2.00
23-Mar-01	3	5		1.63		1		2.00	3	6		1.67
24-Mar-01	1	7		1.88				-	1	7		1.88
25-Mar-01	1	62		1.98	7	21		1.75	8	83		1.91
26-Mar-01	49			2.00		19		2.00		68		2.00
27-Mar-01	3	42		1.93	2	9		1.82	5	51		1.91
28-Mar-01	1	29		1.97		20		2.00	1	49		1.98
29-Mar-01	70			2.00	40			2.00		11		2.00
30-Mar-01	22			2.00	10			2.00		32		2.00
31-Mar-01	15			2.00	17			2.00		32		2.00
01-Apr-01	1	69		1.99	41			2.00		11		2.00
02-Apr-01	1	63		1.98	52			2.00		115		2.00
03-Apr-01	1	59		1.98	42			2.00		11		2.00
04-Apr-01	2	48		1.96	50			2.00		98		2.00
05-Apr-01	80			2.00	84			2.00		164		2.00
06-Apr-01	12			2.00	53			2.00		65		2.00
07-Apr-01	13			2.00	2			2.00		15		2.00
08-Apr-01	44			2.00	53			2.00		97		2.00
09-Apr-01	70			2.00	65			2.00		135		2.00
10-Apr-01	64			2.00	57			2.00		121		2.00
11-Apr-01	10			2.00	29			2.00		39		2.00
12-Apr-01	57			2.00	94			2.00		151		2.00
13-Apr-01	65			2.00	63			2.00		128		2.00
14-Apr-01	70			2.00	56			2.00		126		2.00
15-Apr-01	61			2.00	1	59		1.98		12		2.00
16-Apr-01	58			2.00	58			2.00		116		2.00
17-Apr-01	60			2.00	50			2.00		11		2.00

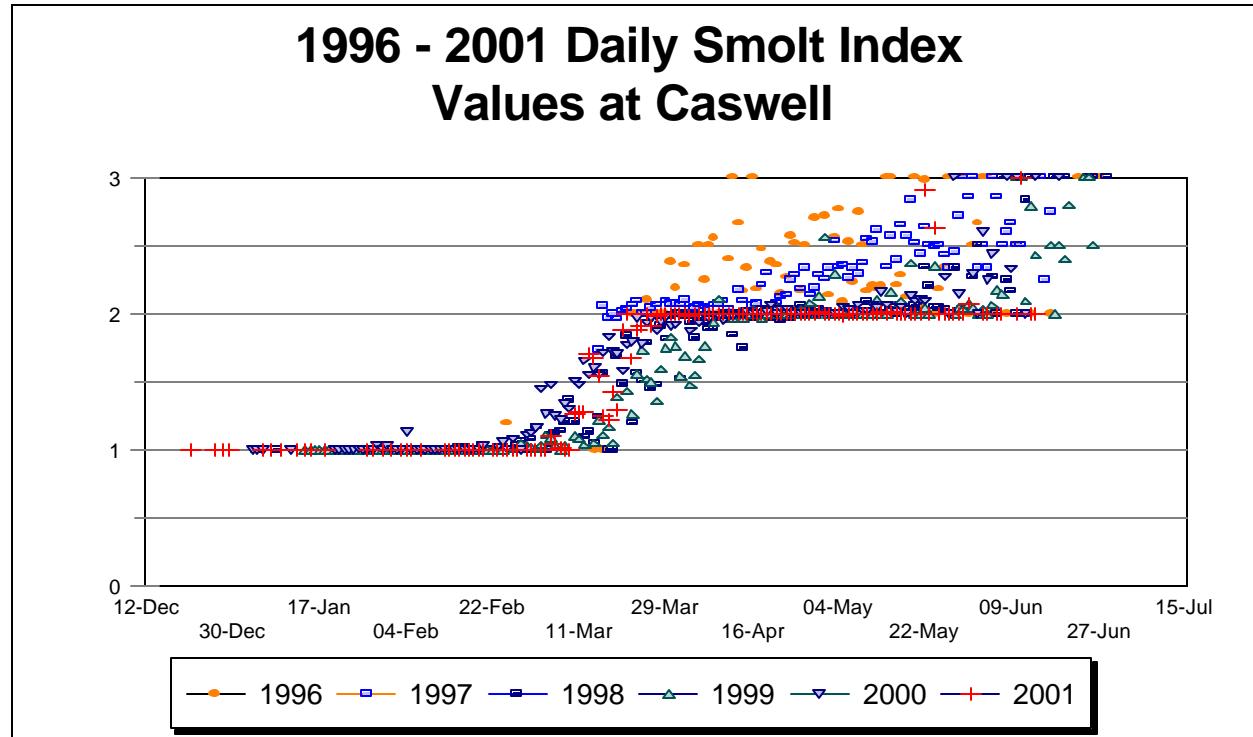
Chinook smolt index values for all natural chinook rated during 2001.

Date	ST004N				ST004S				Combined			
	# 1	# 2	# 3	Mean Index	# 1	# 2	# 3	Mean Index	# 1	# 2	# 3	Mean Index
18-Apr-01	62			2.00		29		2.00		91		2.00
19-Apr-01	46			2.00		19		2.00		65		2.00
20-Apr-01	43			2.00		40		2.00		83		2.00
21-Apr-01	12			2.00		13		2.00		25		2.00
22-Apr-01	3			2.00						3		2.00
23-Apr-01	41			2.00		65		2.00		16		2.00
24-Apr-01	62			2.00		68		2.00		13		2.00
25-Apr-01	32			2.00	1	56		1.98		88		2.00
26-Apr-01	36			2.00		54		2.00		9		2.00
27-Apr-01	23			2.00		31		2.00		54		2.00
28-Apr-01	19			2.00		70		2.00		89		2.00
29-Apr-01	27			2.00		62		2.00		89		2.00
30-Apr-01	45			2.00		61		2.00		16		2.00
01-May-01	45			2.00		61	1	2.02		16	1	2.06
02-May-01	23			2.00		49		2.00		72		2.00
03-May-01	48			2.00		59		2.00		17		2.00
04-May-01	44			2.00		51		2.00		95		2.00
05-May-01	12			2.00		52		2.00		64		2.00
06-May-01	24			2.00	1	49		1.98		73		2.00
07-May-01	66			2.00		68		2.00		134		2.00
08-May-01	27			2.00		59		2.00		86		2.00
09-May-01	12			2.00		53		2.00		65		2.00
10-May-01	23			2.00		54		2.00		77		2.00
11-May-01	23			2.00		50		2.00		73		2.00
12-May-01	25			2.00		51		2.00		76		2.00
13-May-01	36			2.00		53		2.00		89		2.00
14-May-01	34	1		2.03		54		2.00		88	1	2.01
15-May-01	53			2.00		57		2.00		11		2.00
16-May-01	25			2.00		51	1	2.02		76	1	2.01
17-May-01	46			2.00		2		2.00		48		2.00
18-May-01	19			2.00		45		2.00		64		2.00
19-May-01	27			2.00		51		2.00		78		2.00
20-May-01	16			2.00		35		2.00		51		2.00
21-May-01	49			2.00		52		2.00		11		2.00
22-May-01	49			2.00		50		2.00		99		2.00
23-May-01	2	40		2.95		7	47	2.87		9	87	2.91
24-May-01				-		51		2.00		51		2.00
25-May-01	21	24		2.53		15	36	2.71		36	60	2.63
26-May-01	27			2.00		19		2.00		46		2.00
27-May-01	14			2.00		13		2.00		27		2.00
28-May-01	11			2.00		6		2.00		17		2.00
29-May-01	4			2.00		10		2.00		14		2.00
30-May-01	23			2.00		3		2.00		26		2.00
31-May-01	1			2.00		3		2.00		4		2.00
01-Jun-01	3	1		2.25		9		2.00		12	1	2.08
02-Jun-01	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
03-Jun-01	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
04-Jun-01	4			2.00		6		2.00		10		2.00
05-Jun-01	2			2.00		2		2.00		4		2.00
06-Jun-01				-				-				-
07-Jun-01	4			2.00		1		2.00		5		2.00
08-Jun-01	4			2.00		1		2.00		5		2.00
09-Jun-01	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
10-Jun-01	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
11-Jun-01	3			2.00		1		2.00		4		2.00
12-Jun-01				-		3		3.00		3		3.00
13-Jun-01				-				-				-
14-Jun-01	4			2.00				-		4		2.00
15-Jun-01	2			2.00				-		2		2.00

Chinook smolt index values for all natural chinook rated during 2001.

Date	ST004N				ST004S				Combined			
	# 1	# 2	# 3	Mean Index	# 1	# 2	# 3	Mean Index	# 1	# 2	# 3	Mean Index
16-Jun-01	ns	ns	ns	ns		ns	ns	ns	ns	ns	ns	ns
17-Jun-01	ns	ns	ns	ns		ns	ns	ns	ns	ns	ns	ns
18-Jun-01	-					-			-			-
19-Jun-01	-					-			-			-
20-Jun-01	-					-			-			-
21-Jun-01	-					-			-			-
22-Jun-01	-					-			-			-
23-Jun-01	ns	ns	ns	ns		ns	ns	ns	ns	ns	ns	ns
24-Jun-01	ns	ns	ns	ns		ns	ns	ns	ns	ns	ns	ns
25-Jun-01	-					-			-			-
26-Jun-01	-					-			-			-
27-Jun-01	-					-			-			-
28-Jun-01	-					-			-			-

**1996 - 2001 Daily Smolt Index
Values at Caswell**



Caswell Releases and Recapture Data - Year 2001

Designated Release Code	Release Location	Release Date	Mark Type	Fish Stock	Release Time	Adjusted # Released	Number Recaptured	% Recaptured	Mean Length at Release (mm)	Mean Length at Recap. (mm)	Mean Flow (cfs)
C1	Caswell	06-Jan-01	CFP	Hatchery	2000	814	135	16.58	33.50	34.14	353
C2	Caswell	07-Jan-01	CFDB	Hatchery	2100	785	149	18.98	34.00	65.71	353
C3	Caswell	07-Jan-01	CFO	Hatchery	2115	762	108	14.17	35.12	77.59	353
C4	Caswell	16-Mar-01	CFY	Hatchery	2015	1036	153	14.77	47.17	77.20	353
C5	Caswell	16-Mar-01	CFDB	Hatchery	2145	1044	177	16.95	47.50	81.23	353
C6	Caswell	18-Mar-01	CFP	Hatchery	2045	589	45	7.64	47.34	81.72	356
C7	Caswell	04-Apr-01	CFY	Natural	2100	541	37	6.84	73.68	34.59	508
C8	Caswell	11-Apr-01	CFP	Natural	2130	633	34	5.37	66.42	34.32	624
C9	Caswell	12-Apr-01	DFY	Hatchery	2200	1366	89	6.52	66.22	46.32	627
C10	Caswell	17-Apr-01	CFP	Natural	2145	402	30	7.46	69.24	46.92	635
C11	Caswell	24-May-01	TCP	Hatchery	2100	762	47	6.17	81.89	45.80	772
C12	Caswell	25-May-01	BCO	Hatchery	2115	1521	106	6.97	77.94	65.71	758
C13	Caswell	26-May-01	BCP	Hatchery	2130	1404	133	9.47	80.95	64.41	728
C14	Caswell	31-May-01	AFDB	Hatchery	2130	1355	71	5.24	83.50	66.77	713
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C-LE-01	Livebox	27-Mar-01	Photonic	Natural	Night	100	74	74.00	66.68	66.09	342
C-LE-02	Livebox	30-Mar-01	Photonic	Natural	Night	108	66	61.11	63.74	63.39	370
C-LE-03	Livebox	04-Apr-01	Photonic	Natural	Night	117	110	94.02	67.56	67.78	508
C-LE-04	Livebox	24-Apr-01	Photonic	Natural	Night	100	91	91.00	71.92	72.36	1458
KF	Knights Ferry	22-May-01	CWT/ ad-clip	Hatchery	Day/ Night	50100	58	0.12	nd	90.27	666

* Flow is at RIP for Caswell releases and OBB for KF release.

Number and Date of all Recaptures at Caswell during 2001

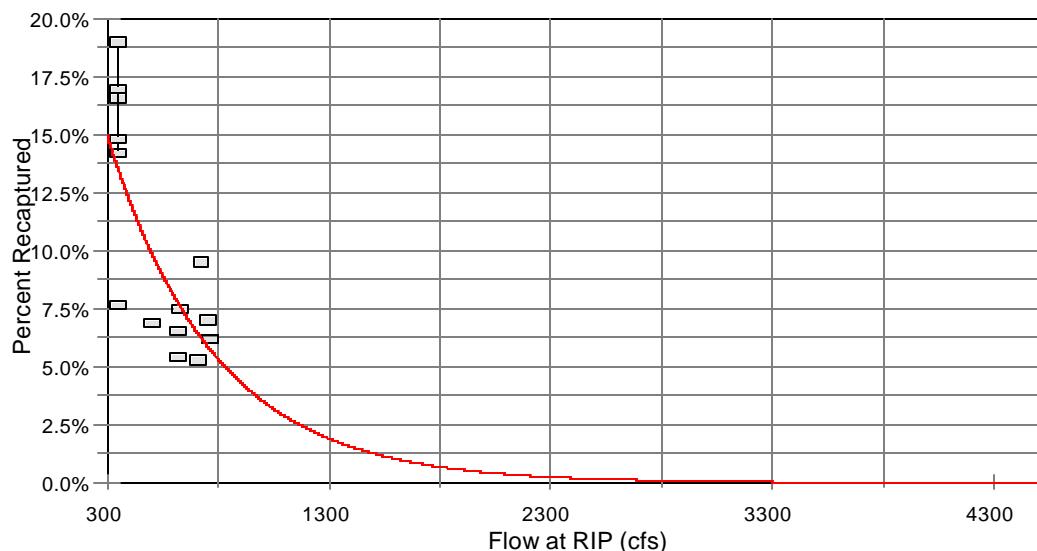
Number and Date of all Recaptures at Caswell during 2001

Number and Date of all Recaptures at Caswell during 2001

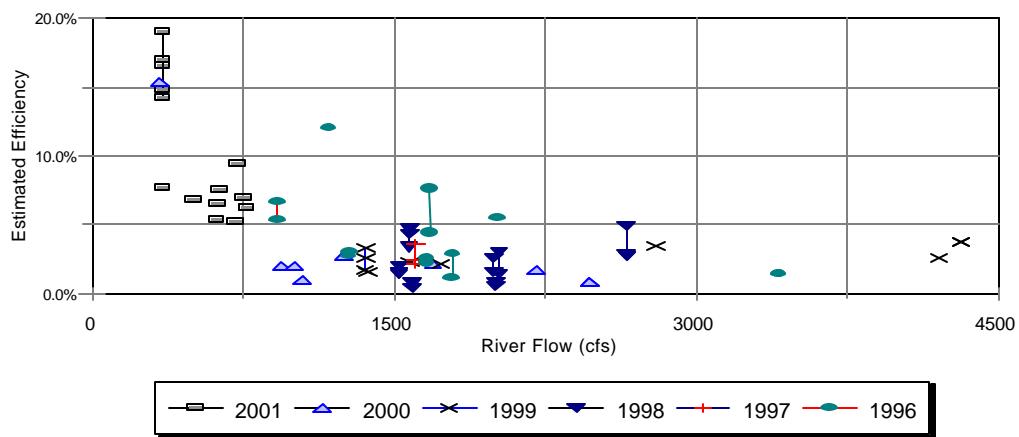
Number and Date of all Recaptures at Caswell during 2001

Date	C-LE-01	C-LE-02	C-LE-03	C-LE-04	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	KF
13-May-01																			
14-May-01																			
15-May-01																			
16-May-01																			
17-May-01																			
18-May-01																			
19-May-01																			
20-May-01																			
21-May-01																			
22-May-01																			
23-May-01																			
24-May-01																2			18
25-May-01																45			34
26-May-01																	106		5
27-May-01																		133	1
28-May-01																			
29-May-01																			
30-May-01																			
31-May-01																			
01-Jun-01																			71
Total	74	66	110	91	135	149	108	153	177	45	37	34	89	30	47	106	133	71	58
	C-LE-01	C-LE-02	C-LE-03	C-LE-04	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	KF

2001 Caswell Combined Trap Efficiency



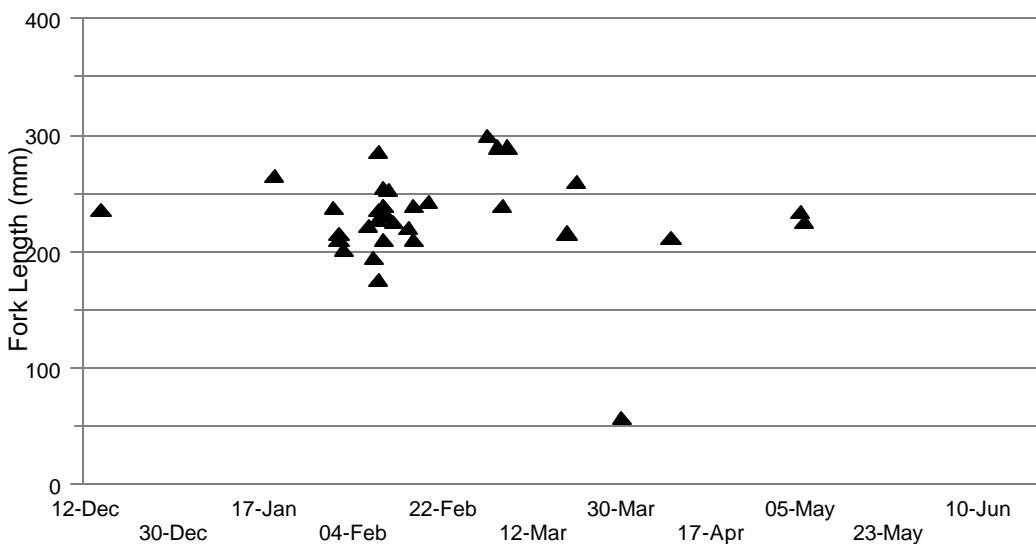
Caswell Trap Efficiency 1996 to 2001



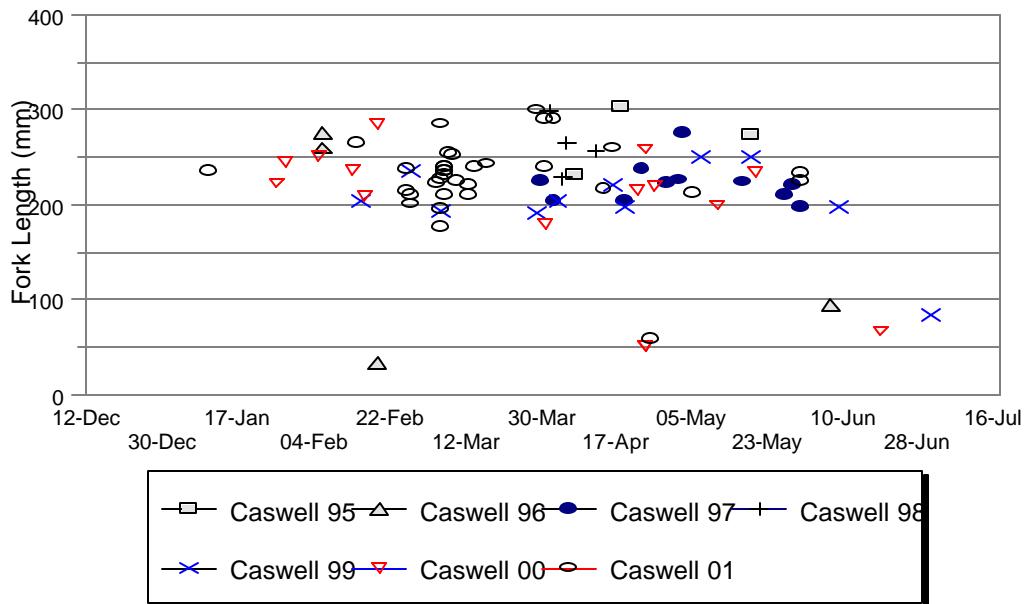
***O. mykiss* captured at Caswell during 2001.**

Date	Time	Length (mm)	Smolt Index
10-Jan-01	10:45:00 AM	236	4
14-Feb-01	11:15:00 AM	265	5
26-Feb-01	10:30:00 AM	238	5
26-Feb-01	10:00:00 AM	215	5
27-Feb-01	11:00:00 AM	210	5
27-Feb-01	10:30:00 AM	201	5
05-Mar-01	10:30:00 AM	222	5
06-Mar-01	12:00:00 PM	195	5
06-Mar-01	12:00:00 PM	176	5
06-Mar-01	12:00:00 PM	228	5
06-Mar-01	11:45:00 AM	285	5
07-Mar-01	11:30:00 AM	236	5
07-Mar-01	12:00:00 PM	240	5
07-Mar-01	11:30:00 AM	240	5
07-Mar-01	11:30:00 AM	231	5
07-Mar-01	08:15:00 PM	210	5
07-Mar-01	08:15:00 PM	235	5
08-Mar-01	08:15:00 PM	255	5
09-Mar-01	09:45:00 AM	253	5
10-Mar-01	10:15:00 AM	225	5
13-Mar-01	10:45:00 AM	220	5
13-Mar-01	10:45:00 AM	210	5
14-Mar-01	10:00:00 AM	240	5
17-Mar-01	10:30:00 AM	243	5
29-Mar-01	09:30:00 AM	300	5
31-Mar-01	10:30:00 AM	290	5
31-Mar-01	10:30:00 AM	240	5
02-Apr-01	12:30:00 PM	290	5
14-Apr-01	10:00:00 AM	216	5
16-Apr-01	12:45:00 PM	260	5
25-Apr-01	09:00:00 AM	58	3
05-May-01	08:30:00 PM	212	5
31-May-01	09:15:00 AM	234	5
31-May-01	09:45:00 AM	225	5

O. mykiss Captured at Caswell During 2001



O. mykiss Captured at Caswell 1995 - 2001



Number and Date of Capture for Non-salmonids Captured in the Caswell Traps during 2001.

Number and Date of Capture for Non-salmonids Captured in the Caswell Traps during 2001.

	AMS	BGS	BKS	BRB	C	GF	GSF	GSN	HCH	HH	LAM	LMB	LP
02-Feb-01													
03-Feb-01													
04-Feb-01											2		
05-Feb-01											2	1	
06-Feb-01											1		
07-Feb-01											1		
08-Feb-01													
09-Feb-01													
10-Feb-01													
11-Feb-01													
12-Feb-01													
13-Feb-01											1		
14-Feb-01											1		
15-Feb-01		1											1
16-Feb-01													
17-Feb-01													
18-Feb-01					1						24		
19-Feb-01													
20-Feb-01													
21-Feb-01													
22-Feb-01													
23-Feb-01													
24-Feb-01					1								
25-Feb-01													
26-Feb-01		1									12	1	1
27-Feb-01											41		
28-Feb-01													
01-Mar-01													
02-Mar-01											2		
03-Mar-01											3		
04-Mar-01													
05-Mar-01	1												1
06-Mar-01	2										8	1	
07-Mar-01	1										14	6	1
08-Mar-01									1	158	1		
09-Mar-01	1								1	55			
10-Mar-01												2	
11-Mar-01								3				1	
12-Mar-01									1			1	
13-Mar-01												1	
14-Mar-01													
15-Mar-01										1			

Number and Date of Capture for Non-salmonids Captured in the Caswell Traps during 2001.

	AMS	BGS	BKS	BRB	C	GF	GSF	GSN	HCH	HH	LAM	LMB	LP
16-Mar-01													
17-Mar-01													
18-Mar-01													
19-Mar-01				1							1		
20-Mar-01									1				
21-Mar-01												1	
22-Mar-01											10		
23-Mar-01													
24-Mar-01													
25-Mar-01											9		
26-Mar-01													
27-Mar-01													
28-Mar-01													
29-Mar-01													
30-Mar-01													
31-Mar-01													
01-Apr-01													
02-Apr-01													
03-Apr-01													
04-Apr-01									1	1			
05-Apr-01													
06-Apr-01													
07-Apr-01													
08-Apr-01				1								1	
09-Apr-01											1		
10-Apr-01										2			2
11-Apr-01								1		1			
12-Apr-01													
13-Apr-01													
14-Apr-01		1			1						2		
15-Apr-01													
16-Apr-01													
17-Apr-01											1		
18-Apr-01										1	1		
19-Apr-01								1					
20-Apr-01		1											
21-Apr-01													
22-Apr-01												1	
23-Apr-01									1				
24-Apr-01			1								3		
25-Apr-01			2					1					
26-Apr-01			1							1		1	

Number and Date of Capture for Non-salmonids Captured in the Caswell Traps during 2001.

Number and Date of Capture for Non-salmonids Captured in the Caswell Traps during 2001.

	AMS	BGS	BKS	BRB	C	GF	GSF	GSN	HCH	HH	LAM	LMB	LP
08-Jun-01		2											
09-Jun-01	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
10-Jun-01	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
11-Jun-01													10
12-Jun-01													12
13-Jun-01													6
14-Jun-01													15
15-Jun-01													3
16-Jun-01	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
17-Jun-01	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
18-Jun-01		1					1						14
19-Jun-01		1					1						13
20-Jun-01		5					2						11
21-Jun-01		2	2										24
22-Jun-01	1												4
23-Jun-01	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
24-Jun-01	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
25-Jun-01													22
26-Jun-01													5
27-Jun-01													4
28-Jun-01													
Totals	1	37	11	6	1	5	1	10	4	35	1514	179	7
	AMS	BGS	BKS	BRB	C	GF	GSF	GSN	HCH	HH	LAM	LMB	LP

Number and Date of Capture for Non-salmonids Captured in the Caswell Traps during 2001.

Number and Date of Capture for Non-salmonids Captured in the Caswell Traps during 2001.

Number and Date of Capture for Non-salmonids Captured in the Caswell Traps during 2001.

	MQK	MSS	PL	PRS	RFS	SASQ	SASU	STB	TFS	TP	UNID	WHC	WHS
16-Mar-01			4									1	
17-Mar-01			8				1						
18-Mar-01			3				1						
19-Mar-01			10									3	
20-Mar-01			9										
21-Mar-01		1	6									1	
22-Mar-01	4											2	
23-Mar-01	17	1	7									2	
24-Mar-01	38		5										
25-Mar-01	51	1	16									2	
26-Mar-01	22		2									6	
27-Mar-01	13		15									1	
28-Mar-01	14											5	
29-Mar-01	21											2	
30-Mar-01			3									4	
31-Mar-01	6	1	2						1			1	
01-Apr-01	9	1	6									4	
02-Apr-01	36		8						44			2	
03-Apr-01	11		3						48				
04-Apr-01	7		3						32			1	
05-Apr-01	11	1	3			3			17				
06-Apr-01	4		5						4				
07-Apr-01	3		9						3			1	
08-Apr-01	14	2	64						10	1		1	
09-Apr-01	14		21			1			8			3	
10-Apr-01	8		8						6			1	
11-Apr-01			9									2	
12-Apr-01	13		9			1			1	1			
13-Apr-01	6		7									1	
14-Apr-01	16		14			1			1			1	
15-Apr-01	10		6			1							
16-Apr-01	26		6						1			1	
17-Apr-01	6		10										
18-Apr-01	5		14										
19-Apr-01	1		7						2				
20-Apr-01	3		13										
21-Apr-01		1				7						1	
22-Apr-01	4		4										
23-Apr-01	5		10			16							
24-Apr-01	4		2			49							
25-Apr-01	11					40						1	
26-Apr-01	15		14			44			2			1	

Number and Date of Capture for Non-salmonids Captured in the Caswell Traps during 2001.

Number and Date of Capture for Non-salmonids Captured in the Caswell Traps during 2001.

	MQK	MSS	PL	PRS	RFS	SASQ	SASU	STB	TFS	TP	UNID	WHC	WHS
08-Jun-01													
09-Jun-01	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
10-Jun-01	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
11-Jun-01						1							
12-Jun-01										1			
13-Jun-01													
14-Jun-01				2								2	
15-Jun-01													
16-Jun-01	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
17-Jun-01	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
18-Jun-01				2			1						
19-Jun-01										2			
20-Jun-01													
21-Jun-01										3		3	
22-Jun-01													
23-Jun-01	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
24-Jun-01	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
25-Jun-01				8						2		1	
26-Jun-01				1									
27-Jun-01													
28-Jun-01													
Totals	521 MQK	27 MSS	8271 PL	12 PRS	1 RFS	971 SASQ	10 SASU	1 STB	206 TFS	22 TP	1 UNID	75 WHC	3 WHS

Number Measured and Mean Lengths for Non-salmonids Captured in the Caswell Traps during 2001.

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Number Measured and Mean Lengths for Non-salmonids Captured in the Caswell Traps during 2001.

Number Measured and Mean Lengths for Non-salmonids Captured in the Caswell Traps during 2001.

Date	HCH #Meas.	Length	HH #Meas.	Length	LMB #Meas.	Length	LP #Meas.	MQK #Meas.	MSS #Meas.	PRS #Meas.	RFS #Meas.
14-Mar-01											
15-Mar-01	1	37.00									
16-Mar-01											
17-Mar-01											
18-Mar-01											
19-Mar-01											
20-Mar-01											
21-Mar-01					1	52.00			1	55.00	
22-Mar-01							4	21.00			
23-Mar-01							17	26.31	1	98.00	
24-Mar-01							38	27.18			
25-Mar-01							36	27.26	1	42.00	
26-Mar-01							22	26.00			
27-Mar-01							13	27.45			
28-Mar-01							14	25.18			
29-Mar-01							21	23.63			
30-Mar-01											
31-Mar-01							6	25.00	1	73.00	
01-Apr-01							9	26.00	1	69.00	
02-Apr-01							29	26.79			
03-Apr-01							11	30.00			
04-Apr-01	1	55.00	1	35.00			7	27.43			
05-Apr-01							11	27.44	1	85.00	
06-Apr-01							4	29.50			
07-Apr-01							3	27.33			
08-Apr-01					1	54.00	14	30.43	2	68.00	
09-Apr-01			1	45.00			14	26.92			
10-Apr-01			2	46.50			2	8	27.14		
11-Apr-01			1	47.00							
12-Apr-01							13	30.33			
13-Apr-01							6	27.83			
14-Apr-01			2	55.00			16	27.62			
15-Apr-01							10	28.12			
16-Apr-01							26	28.85			
17-Apr-01							6	29.20			
18-Apr-01			1	36.00			5	31.80			
19-Apr-01							1	30.00			
20-Apr-01							3	38.00			
21-Apr-01									1	66.00	
22-Apr-01							4	32.00			
23-Apr-01	1	45.00			1	95.00	5	31.80			

Number Measured and Mean Lengths for Non-salmonids Captured in the Caswell Traps during 2001.

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Number Measured and Mean Lengths for Non-salmonids Captured in the Caswell Traps during 2001.

Caswell 2001 Environmental Data - North Trap

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
22-Dec-00	11:00 AM	2817	27.7	23.7	2.0	0.0	0.17	48	CLR	Light	1	1
23-Dec-00	11:00 AM	3917	29.0	23.7	1.6	0.0	0.19	49	CLR	Light	1	3
24-Dec-00	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
25-Dec-00	07:30 PM	-	-	-	-	-	0.14	-	NIT	-	4	0
26-Dec-00	10:45 AM	2049	29.3	24.3	1.8	2.8	0.05	48	CLR	Light	1	1
27-Dec-00	10:15 AM	2969	28.7	25.7	2.1	0.0	0.05	48	CLR	Light	1	2
27-Dec-00	07:30 PM	1142	-	-	-	-	0.00	-	NIT	Light	1	1
28-Dec-00	11:15 AM	3145	29.3	25.0	2.0	0.2	0.00	48	CLR	Light	1	2
29-Dec-00	10:15 AM	2806	30.6	25.0	2.2	0.2	-0.05	47	CLR	Light	1	2
29-Dec-00	07:45 PM	1192	-	-	-	-	0.00	-	NIT	Light	1	1
30-Dec-00	10:45 AM	3066	31.6	24.3	1.5	0.0	0.00	47	FOG	Light	1	3
31-Dec-00	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
01-Jan-01	07:30 PM	-	-	-	-	-	-0.08	-	NIT	-	4	0
02-Jan-01	10:15 AM	1967	29.6	26.0	2.2	0.2	-0.02	48	FOG	Light	1	1
03-Jan-01	11:30 AM	3170	38.0	29.3	2.1	0.0	0.15	48	CLR	Light	1	1
04-Jan-01	10:15 AM	2555	27.3	24.6	2.0	0.1	0.14	46	CLR	Light	3	1
05-Jan-01	10:00 AM	2946	28.3	25.6	2.3	1.2	0.14	45	CLR	Light	1	1
06-Jan-01	09:15 AM	2948	31.0	29.0	2.1	0.0	0.10	46	FOG	Light	1	1
06-Jan-01	07:45 PM	1037	-	-	-	-	0.10	-	NIT	Light	1	1
06-Jan-01	09:00 PM	1188	-	-	-	-	-	-	NIT	Light	1	2
06-Jan-01	10:15 PM	1587	-	-	-	-	-	-	NIT	Light	1	2
07-Jan-01	11:00 AM	3194	30.3	26.0	2.3	0.0	0.10	46	CLD	Light	1	2
07-Jan-01	08:15 PM	1147	-	-	-	-	0.09	-	NIT	Light	1	1
07-Jan-01	10:15 PM	1472	-	-	-	-	0.10	-	NIT	Light	1	2
07-Jan-01	11:00 PM	1550	-	-	-	-	0.10	-	NIT	Light	1	2
08-Jan-01	10:30 AM	3067	27.3	25.3	2.4	1.6	0.25	48	RAN	Light	2	2
08-Jan-01	07:00 PM	1120	-	-	-	-	0.30	-	NIT	Light	1	1
09-Jan-01	11:00 AM	3320	26.3	24.7	2.3	1.3	0.40	48	CLR	Heavy	1	2
10-Jan-01	10:45 AM	3319	27.0	24.7	2.1	3.1	0.23	48	RAN	Heavy	1	1
10-Jan-01	05:45 PM	918	-	-	-	-	0.35	-	RAN	Heavy	3	1
11-Jan-01	10:30 AM	2670	23.9	23.3	2.2	3.2	0.47	45.5	CLR	Medium	1	2
11-Jan-01	07:00 PM	962	-	-	-	-	0.60	-	NIT	Heavy	3	1
12-Jan-01	11:45 AM	2735	21.1	34.7	2.4	22.0	0.75	-	CLD	Medium	1	2
12-Jan-01	07:30 PM	2290	-	-	-	-	0.62	45	NIT	Medium	1	1
12-Jan-01	-	969	-	-	-	-	0.50	44.5	NIT	-	1	2
13-Jan-01	11:15 AM	3903	23.3	22.0	2.2	4.6	0.50	47	CLR	Medium	1	2
13-Jan-01	07:45 PM	1335	-	-	-	-	0.40	-	NIT	Medium	1	1
14-Jan-01	10:30 AM	3718	22.6	21.0	2.1	3.3	0.40	47	FOG	Light	1	2
14-Jan-01	07:30 PM	1408	-	-	-	-	0.30	-	NIT	Light	1	1
15-Jan-01	10:45 AM	3887	23.6	23.3	2.2	3.0	0.28	47	CLR	Light	1	2

Caswell 2001 Environmental Data - North Trap

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
16-Jan-01	02:00 PM	4142	24.6	23.6	2.1	4.2	0.20	46	CLR	Medium	1	1
17-Jan-01	11:15 AM	3105	24.0	23.6	2.2	1.3	0.19	44	CLR	Light	1	1
18-Jan-01	10:45 AM	3444	24.6	24.0	2.1	0.6	0.15	43	CLR	Light	1	1
19-Jan-01	10:00 AM	3267	25.3	25.0	2.1	0.6	0.12	45	CLD	Light	1	1
20-Jan-01	10:00 AM	3367	26.0	25.3	2.1	0.0	0.10	46	CLR	Light	1	3
21-Jan-01	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
22-Jan-01	08:15 PM	-	-	-	-	-	0.02	-	NIT	-	4	0
23-Jan-01	10:45 AM	0	25.6	25.4	1.4	0.1	0.01	48	CLD	Light	1	1
24-Jan-01	10:00 AM	3169	27.0	26.0	1.9	0.0	0.02	49	RAN	Light	1	1
25-Jan-01	10:45 AM	3344	26.6	25.0	2.0	0.1	0.15	48	CLD	Medium	1	1
26-Jan-01	11:00 AM	1929	28.0	25.6	2.2	3.1	3.60	48	CLD	Heavy	3	1
27-Jan-01	10:45 AM	-	-	-	-	6.0	0.60	-	CLR	-	4	0
27-Jan-01	06:15 PM	1187	-	-	-	-	0.50	-	NIT	Light	1	1
28-Jan-01	10:30 AM	2871	23.3	20.6	2.2	5.9	0.30	46	CLR	Light	1	2
28-Jan-01	08:15 PM	1621	-	-	-	-	2.80	48	NIT	Light	1	1
29-Jan-01	11:00 AM	3768	26.3	24.6	2.1	2.4	0.15	49	CLD	Light	1	2
30-Jan-01	10:45 AM	3448	24.6	24.3	1.9	2.1	0.10	47	CLR	Light	1	1
31-Jan-01	11:00 AM	3565	25.0	24.6	1.9	0.8	0.10	48	CLR	Light	1	1
01-Feb-01	11:45 AM	3461	25.0	24.0	2.1	2.4	0.04	48	CLR	Light	1	1
02-Feb-01	10:45 AM	3296	34.4	26.0	2.1	3.3	-	48	CLD	Light	1	1
03-Feb-01	11:00 AM	3311	25.6	22.6	1.9	0.4	0.00	49	CLR	Light	1	1
04-Feb-01	10:30 AM	3158	26.0	24.3	1.9	0.1	0.00	49	CLR	Light	1	1
05-Feb-01	10:30 AM	3210	24.3	23.3	2.1	0.3	0.02	47	FOG	Light	1	1
06-Feb-01	10:30 AM	3145	27.6	26.0	1.9	1.4	0.00	50	CLR	Medium	1	1
07-Feb-01	10:30 AM	3166	28.4	27.3	2.1	1.7	-0.04	49	CLR	Light	1	1
08-Feb-01	10:30 AM	3092	28.6	28.6	2.1	0.7	-0.01	47	CLR	Medium	1	1
09-Feb-01	11:30 AM	3261	29.0	26.3	2.1	0.8	-0.02	47	RAN	Light	1	3
10-Feb-01	09:15 PM	0	-	-	-	-	0.20	-	NIT	Light	4	0
11-Feb-01	10:30 AM	1901	25.3	24.3	2.1	-	0.02	48	CLD	Light	1	1
12-Feb-01	10:30 AM	3507	27.3	25.3	2.0	1.1	0.29	48	RAN	Light	1	1
13-Feb-01	10:00 AM	3738	23.6	22.6	2.3	3.8	0.47	46	CLD	Light	1	1
14-Feb-01	11:15 AM	3919	25.4	24.6	1.8	4.3	0.25	48	CLR	Light	1	1
14-Feb-01	08:00 PM	5274	-	-	-	-	0.20	-	NIT	Light	1	1
15-Feb-01	10:45 AM	2108	25.6	24.6	2.1	3.3	0.13	47	CLR	Light	1	2
16-Feb-01	10:15 AM	3376	26.0	24.6	2.1	1.8	0.10	50	CLR	Light	1	1
17-Feb-01	10:15 AM	3195	28.3	26.6	1.4	1.2	0.00	50	CLR	Light	1	1
18-Feb-01	10:15 AM	6410	27.6	25.3	2.1	0.5	0.00	50	CLD	Light	1	2
18-Feb-01	09:30 PM	1432	-	-	-	-	0.00	-	NIT	Light	1	1
19-Feb-01	10:45 AM	3216	28.6	28.0	2.1	0.0	-0.03	51	CLR	Light	1	1
19-Feb-01	07:30 PM	1128	-	-	-	-	-0.02	-	RAN	Light	1	1

Caswell 2001 Environmental Data - North Trap

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
20-Feb-01	11:45 AM	3472	26.3	24.0	2.1	0.2	0.09	51	CLD	Light	1	2
20-Feb-01	08:15 PM	1181	-	-	-	0.2	0.04	-	NIT	Light	1	1
21-Feb-01	11:15 AM	3358	25.3	22.6	2.0	1.8	0.20	51	CLD	Light	1	2
22-Feb-01	10:15 AM	3228	25.0	23.0	2.0	2.9	0.10	52	CLD	Light	1	1
23-Feb-01	11:00 AM	7060	25.6	24.0	2.1	3.9	0.10	52	CLD	Light	1	1
24-Feb-01	09:45 AM	3321	23.0	21.0	1.8	4.1	0.20	50	RAN	Medium	1	1
25-Feb-01	10:45 AM	3831	22.6	22.3	2.2	4.9	0.50	50	CLR	Medium	1	1
26-Feb-01	10:30 AM	1844	25.6	22.0	2.2	21.0	0.70	51	CLD	Heavy	3	1
26-Feb-01	09:15 PM	1721	-	-	-	-	0.49	-	NIT	Medium	1	1
27-Feb-01	10:30 AM	3872	25.6	22.3	2.2	5.4	0.24	51	CLR	Light	1	2
27-Feb-01	08:30 PM	1440	-	-	-	-	0.18	-	NIT	Light	1	1
28-Feb-01	10:30 AM	3501	26.0	24.0	2.0	5.5	0.01	51	CLR	Light	1	2
01-Mar-01	10:15 AM	3408	25.3	24.0	2.2	3.4	0.01	51	CLR	Light	1	1
01-Mar-01	09:15 PM	1515	-	-	-	-	0.00	-	NIT	Light	1	1
02-Mar-01	09:15 AM	3215	25.0	24.0	2.4	3.8	0.02	52	RAN	Light	1	2
02-Mar-01	07:45 PM	4782	-	-	-	-	0.10	-	NIT	Light	1	1
03-Mar-01	10:30 AM	6860	26.3	25.6	2.2	2.7	0.10	52	CLR	Light	1	2
03-Mar-01	07:45 PM	1292	-	-	-	-	0.05	-	NIT	Light	1	1
04-Mar-01	10:00 AM	3397	25.6	24.0	2.4	5.9	0.10	52	CLD	Light	1	2
05-Mar-01	10:30 AM	3944	21.6	21.3	2.4	8.4	0.47	52	CLD	Medium	1	1
05-Mar-01	09:00 PM	1759	-	-	-	-	1.20	-	RAN	Medium	1	1
06-Mar-01	12:00 PM	3340	21.0	18.3	2.6	45.0	2.15	52	CLD	VeryHeavy	3	2
06-Mar-01	08:30 PM	260	-	-	-	-	3.10	-	NIT	Heavy	3	1
07-Mar-01	12:00 PM	2965	19.6	19.3	2.4	28.0	1.30	53	CLR	Heavy	1	2
07-Mar-01	08:00 PM	310	-	-	-	-	0.95	-	NIT	Light	3	1
08-Mar-01	10:30 AM	2330	23.7	20.0	2.3	3.5	0.60	54	CLR	Light	1	2
08-Mar-01	08:15 PM	3856	-	-	-	-	0.45	-	NIT	Medium	1	1
09-Mar-01	09:45 AM	5891	37.1	35.6	2.2	8.5	0.35	56	CLD	Medium	1	2
09-Mar-01	09:15 PM	1791	-	-	-	-	0.30	-	NIT	Light	1	1
10-Mar-01	10:15 AM	3908	22.3	32.7	1.9	4.5	0.02	53	CLR	Light	1	2
10-Mar-01	08:45 PM	1531	-	-	-	-	0.20	-	NIT	Light	1	1
11-Mar-01	11:00 AM	3742	25.0	23.6	2.3	4.3	0.14	53	CLR	Medium	1	2
11-Mar-01	07:30 PM	1280	-	-	-	-	0.10	-	NIT	Light	1	1
12-Mar-01	10:30 AM	3474	24.6	23.6	2.3	3.7	0.12	54	CLR	Medium	1	2
12-Mar-01	09:15 PM	1604	-	-	-	-	0.04	-	NIT	Light	1	1
13-Mar-01	10:45 AM	3615	25.3	24.3	2.0	4.3	0.01	56	CLR	Light	1	2
13-Mar-01	07:45 PM	1266	-	-	-	-	0.01	-	NIT	Light	1	1
14-Mar-01	10:00 AM	3333	25.0	26.0	1.9	1.7	0.10	58	CLR	Light	1	2
14-Mar-01	07:30 PM	1344	-	-	-	-	0.01	-	NIT	Light	1	1
15-Mar-01	10:30 AM	3538	24.7	24.7	2.2	2.7	0.10	59	CLR	Light	1	2

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Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
15-Mar-01	08:15 PM	1436	-	-	-	-	0.00	-	NIT	Light	1	1
16-Mar-01	10:45 AM	3363	27.3	25.3	1.9	3.8	-0.02	57	CLR	Light	1	2
16-Mar-01	08:15 PM	1405	-	-	-	-	0.00	-	NIT	Light	1	1
16-Mar-01	09:30 PM	1622	-	-	-	-	0.00	-	NIT	Light	1	2
16-Mar-01	10:45 PM	1786	-	-	-	-	0.00	-	NIT	Light	1	2
16-Mar-01	11:15 PM	1876	-	-	-	-	0.00	-	NIT	Light	1	1
17-Mar-01	10:30 AM	3399	32.7	32.0	1.9	0.6	-0.10	58	CLR	Medium	1	2
18-Mar-01	10:00 AM	3067	28.7	27.7	2.0	1.8	0.00	55	CLR	Medium	1	2
18-Mar-01	08:45 PM	1456	-	-	-	-	0.00	-	NIT	Light	1	1
18-Mar-01	09:45 PM	1590	-	-	-	-	0.00	-	NIT	Light	1	2
18-Mar-01	10:30 PM	1670	-	-	-	-	0.00	-	NIT	Light	1	2
19-Mar-01	12:00 PM	3534	27.3	25.7	2.1	2.9	-0.06	61	CLR	Medium	1	2
19-Mar-01	09:00 PM	1210	-	-	-	-	0.00	-	NIT	Light	1	1
20-Mar-01	11:00 AM	3183	25.3	22.3	2.3	7.7	0.50	62	CLD	Medium	1	2
20-Mar-01	08:30 PM	1525	-	-	-	-	0.70	-	NIT	Medium	1	1
21-Mar-01	11:15 AM	3274	62.3	24.3	1.8	9.4	0.69	62	CLR	Heavy	2	2
21-Mar-01	08:00 PM	920	-	-	-	-	0.62	-	NIT	Light	1	1
22-Mar-01	01:30 PM	2535	22.6	23.0	2.4	10.0	0.70	64	CLR	Light	1	2
22-Mar-01	08:15 PM	1145	-	-	-	-	0.58	-	NIT	Light	1	1
23-Mar-01	11:15 AM	3239	26.7	22.7	2.3	-	0.60	65	CLR	Medium	1	2
23-Mar-01	08:30 PM	1400	-	-	-	-	0.40	-	NIT	Medium	1	1
24-Mar-01	10:30 AM	3258	30.6	24.9	2.2	-	0.22	62.5	CLR	Medium	1	2
24-Mar-01	08:45 PM	1577	-	-	-	-	0.40	-	NIT	Medium	1	1
25-Mar-01	10:00 AM	3247	29.1	28.3	1.7	9.4	0.48	61	CLD	Medium	1	2
25-Mar-01	07:30 PM	1286	-	-	-	-	0.35	-	NIT	Light	1	1
26-Mar-01	09:45 AM	2160	33.0	26.3	2.3	7.8	0.45	62	CLR	Medium	1	2
26-Mar-01	08:45 PM	0	-	-	-	-	0.40	-	NIT	Medium	1	1
27-Mar-01	10:45 AM	1572	37.7	27.0	2.2	0.6	0.32	62	CLR	Light	1	2
27-Mar-01	08:00 PM	1178	-	-	-	-	0.37	-	NIT	Medium	1	1
28-Mar-01	10:00 AM	2522	24.3	24.2	1.8	9.0	0.50	63	CLR	Medium	1	2
28-Mar-01	08:15 PM	1321	-	-	-	-	0.52	-	NIT	Medium	1	1
29-Mar-01	09:30 AM	2644	-	22.0	2.4	8.7	0.60	63	CLR	Light	3	2
29-Mar-01	08:45 PM	1542	-	-	-	-	0.40	-	NIT	Medium	1	1
30-Mar-01	10:00 AM	2563	43.3	23.3	2.5	9.4	0.70	62	CLR	Heavy	2	2
30-Mar-01	08:00 PM	1424	-	-	-	-	0.35	-	NIT	Light	1	1
31-Mar-01	10:30 AM	2655	33.7	23.5	2.5	5.8	0.75	62	CLR	Medium	3	2
31-Mar-01	09:15 PM	1573	-	-	-	-	0.40	-	NIT	Light	1	1
01-Apr-01	11:00 AM	3321	-	22.0	2.1	6.8	0.75	62	CLR	Medium	1	2
01-Apr-01	08:00 PM	1214	-	-	-	-	0.90	-	NIT	Heavy	1	1
02-Apr-01	12:30 PM	3023	32.3	19.3	2.9	11.0	1.30	59	CLD	Heavy	3	2

Caswell 2001 Environmental Data - North Trap

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
02-Apr-01	09:00 PM	1472	-	-	-	-	1.10	-	NIT	Medium	1	1
03-Apr-01	11:30 AM	3616	23.3	22.6	2.4	4.0	1.19	56	CLR	Medium	1	2
04-Apr-01	12:00 PM	3803	19.5	19.9	2.5	4.8	1.18	58	CLR	Heavy	1	1
04-Apr-01	08:45 PM	1500	-	-	-	-	1.15	-	NIT	Light	1	1
04-Apr-01	10:00 PM	1711	-	-	-	-	1.15	-	NIT	Light	1	2
04-Apr-01	10:45 PM	1868	-	-	-	-	1.22	-	NIT	Light	1	2
05-Apr-01	10:45 AM	3106	18.6	18.3	2.6	-	1.26	58	CLR	Light	1	2
05-Apr-01	09:00 PM	830	-	-	-	-	1.55	-	NIT	Medium	1	1
06-Apr-01	12:00 PM	944	27.6	18.0	2.5	7.2	1.80	60	CLD	Light	3	2
06-Apr-01	07:00 PM	1112	-	-	-	-	1.71	-	CLD	Light	1	1
07-Apr-01	10:00 AM	2086	19.3	18.7	3.0	8.0	-	55	CLD	Medium	3	2
07-Apr-01	08:45 PM	1335	-	-	-	-	2.17	-	NIT	Heavy	3	1
08-Apr-01	10:00 AM	3205	19.7	17.3	2.8	5.9	2.10	53	CLR	Heavy	3	2
08-Apr-01	08:45 PM	2025	-	-	-	-	1.95	-	NIT	Medium	1	1
09-Apr-01	10:45 AM	4599	19.0	18.3	1.5	4.5	1.96	54	CLR	Medium	2	2
09-Apr-01	08:45 PM	792	-	-	-	-	1.85	-	NIT	Light	3	1
10-Apr-01	09:45 AM	2215	0.0	18.3	2.7	5.1	1.82	56	CLR	Medium	3	2
10-Apr-01	07:45 PM	950	-	-	-	-	1.80	-	NIT	Light	3	1
11-Apr-01	09:45 AM	1836	0.0	21.3	2.2	6.0	1.85	55	CLD	Medium	3	2
11-Apr-01	09:15 PM	476	-	-	-	-	1.72	-	NIT	Light	3	1
11-Apr-01	10:45 PM	658	-	-	-	-	1.72	-	NIT	Light	1	2
11-Apr-01	11:30 PM	722	-	-	-	-	1.72	-	NIT	Light	1	2
12-Apr-01	09:45 AM	1311	0.0	22.7	3.0	0.6	1.80	54	CLR	Light	3	2
12-Apr-01	09:45 PM	2304	-	-	-	-	1.80	-	NIT	Medium	3	1
12-Apr-01	11:30 PM	271	-	-	-	-	1.80	-	NIT	Light	1	2
13-Apr-01	08:45 AM	2164	20.0	19.3	2.9	-	1.90	56	CLR	Medium	1	2
13-Apr-01	09:30 PM	2229	-	-	-	-	1.70	-	NIT	Medium	1	1
13-Apr-01	427	-	-	-	-	-	1.80	-	NIT	Light	1	2
14-Apr-01	10:00 AM	4436	21.0	19.0	2.5	2.8	1.96	56	CLR	Heavy	1	2
14-Apr-01	07:45 PM	1882	-	-	-	-	1.65	-	NIT	Medium	1	1
15-Apr-01	09:00 AM	4195	27.0	21.7	2.8	2.6	1.90	58	CLR	Heavy	1	2
15-Apr-01	08:30 PM	2158	-	-	-	-	2.00	-	NIT	Light	1	1
16-Apr-01	12:45 PM	4836	25.7	23.7	2.8	2.0	2.00	58	CLR	Medium	1	2
16-Apr-01	08:30 PM	1175	-	-	-	-	1.86	-	NIT	Light	1	1
17-Apr-01	11:00 AM	3309	25.0	23.3	3.1	3.3	1.70	58.5	CLR	Medium	1	2
17-Apr-01	09:30 PM	1420	-	-	-	-	1.60	-	NIT	Light	2	1
17-Apr-01	10:45 PM	1621	-	-	-	-	1.60	-	NIT	Light	1	2
18-Apr-01	09:15 AM	3046	25.0	23.3	2.7	5.2	1.69	60	CLR	Medium	1	2
18-Apr-01	09:30 PM	1699	-	-	-	-	-	-	NIT	Heavy	2	1
19-Apr-01	11:15 AM	3711	25.3	25.7	2.3	4.6	1.80	58	CLD	Medium	1	2

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Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
19-Apr-01	05:30 PM	925	-	-	-	-	2.70	-	CLD	Heavy	3	1
19-Apr-01	11:30 PM	1716	-	-	-	-	3.59	-	NIT	Heavy	1	2
20-Apr-01	11:15 AM	2023	20.3	16.8	2.5	7.8	4.20	55	RAN	Heavy	3	2
20-Apr-01	09:00 PM	1289	-	-	-	-	4.72	-	NIT	Medium	1	1
21-Apr-01	08:45 AM	310	56.7	17.3	3.5	3.1	5.00	54	CLR	Heavy	3	2
22-Apr-01	10:45 AM	1210	0.0	16.0	2.5	5.1	4.90	54	CLR	Medium	3	1
22-Apr-01	09:00 PM	2335	-	-	-	-	4.89	-	NIT	Medium	1	1
23-Apr-01	11:15 AM	3226	16.0	15.7	2.7	4.2	4.82	56	CLR	Medium	3	2
23-Apr-01	08:45 PM	2261	-	-	-	-	4.70	-	NIT	Medium	1	1
24-Apr-01	02:15 PM	5807	16.0	14.7	2.4	3.1	4.80	59	CLR	Medium	3	2
24-Apr-01	08:30 PM	1373	-	-	-	-	4.70	-	NIT	Light	1	1
25-Apr-01	10:00 AM	4195	16.3	16.0	2.4	1.7	4.63	58	CLR	-	1	2
25-Apr-01	09:30 PM	2790	-	-	-	-	4.48	-	NIT	Heavy	1	1
26-Apr-01	10:15 AM	5650	16.3	15.0	2.6	4.0	4.58	59	CLR	Medium	1	2
26-Apr-01	10:00 PM	2606	-	-	-	-	4.62	-	NIT	Light	1	1
27-Apr-01	11:30 AM	5486	17.0	15.0	2.7	1.5	4.80	58	CLR	Medium	1	2
27-Apr-01	09:15 PM	2283	-	-	-	-	4.85	-	NIT	Medium	1	1
28-Apr-01	11:30 AM	5424	16.3	16.3	2.5	2.1	4.81	56	CLR	Medium	1	2
28-Apr-01	09:15 PM	2071	-	-	-	-	4.75	-	NIT	Medium	1	1
29-Apr-01	11:15 AM	5207	16.3	15.7	2.2	1.7	4.90	56	CLR	Medium	1	2
29-Apr-01	09:30 PM	2320	-	-	-	-	4.90	-	NIT	Light	1	1
30-Apr-01	11:30 AM	5422	17.3	15.3	2.8	3.2	5.17	59	CLR	Heavy	1	2
30-Apr-01	08:15 PM	1976	-	-	-	-	4.90	-	NIT	Light	1	1
01-May-01	12:45 PM	5417	18.7	17.0	2.4	2.2	4.98	59	CLR	Heavy	1	2
01-May-01	09:15 PM	2135	-	-	-	-	4.98	-	NIT	-	1	1
02-May-01	10:30 AM	4307	15.7	15.0	2.9	3.4	5.02	58	CLR	Medium	1	2
02-May-01	09:30 PM	1796	-	-	-	-	5.00	-	NIT	Medium	1	1
03-May-01	10:45 AM	4547	19.7	16.0	2.7	3.8	5.21	62	CLR	Heavy	2	2
03-May-01	08:45 PM	2230	-	-	-	-	5.00	-	NIT	Medium	1	1
04-May-01	10:30 AM	5518	16.3	13.5	2.9	1.5	5.00	55	CLR	Heavy	1	2
04-May-01	08:30 PM	2279	-	-	-	-	4.91	-	CLR	Medium	1	1
05-May-01	11:45 AM	3510	0.0	14.5	3.2	3.5	5.05	55	CLR	Heavy	3	2
05-May-01	08:30 PM	1927	-	-	-	-	5.10	-	NIT	Medium	1	1
06-May-01	10:30 AM	5265	14.6	14.0	2.8	2.6	5.20	56	CLR	Medium	1	2
06-May-01	09:15 PM	1630	-	-	-	-	5.12	-	NIT	Heavy	3	1
07-May-01	09:30 AM	5292	15.3	14.7	3.2	3.9	5.25	57.5	CLR	Medium	1	2
07-May-01	09:00 PM	986	-	-	-	-	5.02	-	NIT	Medium	3	1
08-May-01	10:15 AM	3294	16.3	14.8	-	1.2	5.29	58	CLR	Medium	1	2
08-May-01	08:15 PM	2315	-	-	-	-	5.14	-	NIT	Medium	1	1
09-May-01	11:30 AM	5923	16.3	14.8	2.8	2.5	5.30	57.5	CLR	Medium	1	2

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Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
09-May-01	09:00 PM	2291	-	-	-	-	5.04	-	NIT	Medium	1	1
10-May-01	10:00 AM	5370	16.0	13.7	2.7	2.1	5.20	56	CLR	Medium	1	2
10-May-01	08:30 PM	2376	-	-	-	-	5.19	-	NIT	Medium	1	1
11-May-01	10:00 AM	5730	15.7	14.7	3.0	4.6	5.15	58	CLR	Medium	1	2
11-May-01	08:30 PM	2426	-	-	-	-	5.15	-	NIT	Light	1	1
12-May-01	10:00 AM	5519	17.0	16.3	2.8	3.6	5.09	58	CLD	Medium	1	2
12-May-01	08:15 PM	2468	-	-	-	-	5.10	-	NIT	Medium	1	1
13-May-01	09:30 AM	5590	16.0	15.0	2.7	3.2	5.30	54	CLR	Medium	1	2
13-May-01	08:45 PM	2532	-	-	-	-	5.24	-	NIT	Light	1	1
14-May-01	10:30 AM	5847	16.0	15.0	2.9	2.2	5.31	55	CLR	Medium	1	2
14-May-01	08:30 PM	2156	-	-	-	-	5.18	-	NIT	Medium	1	1
15-May-01	10:30 AM	5286	16.3	15.0	2.6	1.2	5.09	55	CLD	Medium	1	2
15-May-01	08:30 PM	2326	-	-	-	-	5.20	-	NIT	Medium	1	1
16-May-01	09:30 AM	5257	16.3	15.0	2.5	1.2	5.42	56	CLR	Heavy	1	2
16-May-01	08:15 PM	2350	-	-	-	-	5.25	-	NIT	Heavy	1	1
17-May-01	09:30 AM	5160	18.3	16.0	2.7	2.2	5.41	56	CLR	Medium	1	2
17-May-01	09:30 PM	1230	-	-	-	-	5.45	-	NIT	Medium	3	1
18-May-01	09:00 AM	2569	19.0	16.7	2.5	4.4	5.60	58	CLR	Medium	1	2
18-May-01	08:45 PM	2696	-	-	-	-	5.30	-	NIT	Medium	1	1
19-May-01	09:15 AM	5353	16.0	15.3	2.4	3.7	5.42	58	CLR	Medium	1	2
19-May-01	08:30 PM	2727	-	-	-	-	5.30	-	NIT	Medium	1	1
20-May-01	09:00 AM	2811	16.0	14.7	2.5	1.8	5.00	58	CLR	Medium	1	2
20-May-01	08:30 PM	2569	-	-	-	-	4.78	-	NIT	Medium	1	1
21-May-01	10:45 AM	5715	17.0	16.0	2.4	3.7	4.31	60	CLR	Light	1	2
21-May-01	08:30 PM	2039	-	-	-	-	3.90	-	NIT	Medium	1	1
22-May-01	10:45 AM	4940	15.7	14.0	2.3	1.6	3.40	61	CLR	Medium	1	2
22-May-01	08:15 PM	2007	-	-	-	-	3.27	-	CLR	Medium	1	1
23-May-01	11:15 AM	4036	45.5	19.0	1.1	2.0	3.00	63	CLR	Medium	1	2
23-May-01	06:45 PM	1293	-	-	-	-	2.72	-	CLR	Medium	1	1
24-May-01	12:15 PM	1578	-	18.3	2.2	3.9	2.62	64	CLR	Medium	3	2
24-May-01	09:45 PM	1852	-	-	-	-	2.44	-	NIT	Medium	1	1
24-May-01	11:30 PM	2207	-	-	-	-	2.25	63	NIT	Light	1	2
25-May-01	10:15 AM	3367	29.0	21.3	2.4	4.8	2.50	62	CLR	Light	3	2
25-May-01	08:15 PM	266	-	-	-	-	2.38	63	NIT	Light	1	2
25-May-01	08:45 PM	-	-	-	-	-	2.38	-	NIT	Light	1	1
25-May-01	10:45 PM	358	-	-	-	-	2.38	63	NIT	Light	1	2
26-May-01	08:30 AM	2156	20.0	18.0	2.4	4.9	2.30	62	CLR	Medium	1	2
26-May-01	09:45 PM	1285	-	-	-	-	2.24	-	NIT	Medium	3	1
26-May-01	11:00 PM	1560	-	-	-	-	2.18	-	NIT	Light	1	2
26-May-01	11:45 PM	1698	-	-	-	-	2.16	-	NIT	Light	1	2

Caswell 2001 Environmental Data - North Trap

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
27-May-01	09:30 AM	2807	25.0	20.3	3.0	3.0	2.19	59	CLR	Medium	1	2
27-May-01	08:45 PM	1731	-	-	-	-	2.60	-	NIT	Medium	1	1
28-May-01	09:15 AM	3536	18.7	14.0	2.7	5.2	2.50	58	CLR	Heavy	1	2
29-May-01	10:15 AM	2759	-	17.6	2.6	3.4	2.48	60	CLR	Heavy	3	1
30-May-01	09:30 AM	4187	21.0	17.7	2.7	1.6	2.40	62	CLR	Medium	1	2
31-May-01	09:45 AM	2816	-	18.3	2.4	2.7	2.42	63	CLR	Heavy	3	1
31-May-01	08:45 PM	1755	-	-	-	-	3.30	-	NIT	Medium	1	1
31-May-01	10:30 PM	2092	-	-	-	-	3.30	-	NIT	Light	1	2
01-Jun-01	09:15 AM	3822	29.3	16.0	2.8	4.6	2.30	64	CLR	Medium	1	3
02-Jun-01	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
03-Jun-01	6:30 PM	-	-	-	-	-	-	-	-	-	4	0
04-Jun-01	09:45 AM	2188	37.3	17.0	-	4.2	2.36	58	CLR	Medium	1	1
05-Jun-01	09:45 AM	3396	27.3	26.7	2.2	6.1	2.36	58	CLR	Medium	1	1
06-Jun-01	09:30 AM	84	-	18.3	2.2	3.7	2.00	64	CLR	Light	3	1
07-Jun-01	11:00 AM	3937	32.5	25.0	2.4	1.9	1.98	65	CLR	Medium	1	1
08-Jun-01	10:30 AM	3153	-	18.3	2.6	2.0	1.92	68	CLR	Medium	3	3
09-Jun-01	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
10-Jun-01	06:30 PM	-	-	-	-	-	-	-	-	-	4	0
11-Jun-01	09:15 AM	2024	25.3	21.3	2.2	4.5	2.00	65	CLR	Heavy	1	1
12-Jun-01	09:45 AM	3340	40.0	19.0	2.3	5.4	1.88	65	CLR	Heavy	1	1
13-Jun-01	09:00 AM	3195	32.7	25.0	1.9	4.7	1.90	66	CLR	Heavy	1	1
14-Jun-01	09:30 AM	5885	32.7	21.0	1.8	4.3	1.60	65	CLR	Heavy	1	1
15-Jun-01	08:45 AM	2470	49.7	23.0	1.8	0.8	1.70	66	CLR	Light	1	3
16-Jun-01	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
17-Jun-01	6:30 PM	-	-	-	-	-	-	-	-	-	4	0
18-Jun-01	09:45 AM	1476	33.3	21.3	2.1	4.3	2.10	64	CLR	Medium	1	1
19-Jun-01	08:45 AM	2945	41.7	26.3	2.3	4.3	1.78	58	CLR	Light	1	1
20-Jun-01	09:00 AM	2656	33.0	40.0	1.6	5.5	1.60	65	CLR	Medium	1	1
21-Jun-01	10:15 AM	2932	51.7	25.0	2.5	5.8	1.55	71	CLR	Medium	1	1
22-Jun-01	08:15 AM	75	31.0	25.7	2.0	2.4	1.62	71	CLR	Light	3	1
23-Jun-01	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
24-Jun-01	05:30 PM	-	-	-	-	-	1.54	71	NIT	-	4	0
25-Jun-01	10:00 AM	1599	25.0	12.3	2.8	4.9	1.78	67	CLR	Medium	1	1
26-Jun-01	09:45 AM	1403	-	24.7	2.2	2.7	1.81	67	CLR	Medium	3	1
27-Jun-01	10:15 AM	1375	-	26.7	2.4	12.0	2.11	78	CLD	Heavy	3	1
28-Jun-01	09:30 AM	258	-	26.3	2.4	0.2	1.82	66	CLR	Heavy	3	3

Caswell 2001 Environmental Data - South Trap

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
22-Dec-00	10:30 AM	2418	33.0	29.0	1.8	0.0	0.17	48	CLR	Light	1	1
23-Dec-00	10:30 AM	2611	32.7	28.7	1.4	0.0	0.19	49	CLR	Light	1	3
24-Dec-00	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
25-Dec-00	07:45 PM	-	-	-	-	-	0.14	-	NIT	-	4	0
26-Dec-00	10:30 AM	1684	34.0	33.3	1.6	2.8	0.05	48	CLR	Light	1	1
27-Dec-00	09:45 AM	2431	36.0	33.7	1.7	0.0	0.05	48	CLR	Light	1	2
27-Dec-00	07:15 PM	960	-	-	-	-	0.00	-	NIT	Light	1	1
28-Dec-00	10:45 AM	2588	34.7	34.3	1.8	0.2	0.00	48	CLR	Light	1	2
29-Dec-00	10:00 AM	2370	37.0	33.6	1.6	0.2	0.50	47	CLR	Light	1	2
29-Dec-00	07:30 PM	980	-	-	-	-	0.00	-	NIT	Light	1	1
30-Dec-00	10:30 AM	2550	36.0	33.0	1.3	0.0	0.00	47	FOG	Light	1	3
31-Dec-00	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
01-Jan-01	07:15 PM	0	-	-	-	-	-0.08	-	NIT	-	4	0
02-Jan-01	10:00 AM	1535	35.3	33.3	1.5	0.2	-0.02	48	FOG	Light	1	1
03-Jan-01	11:15 AM	2529	40.6	35.6	1.7	0.0	0.15	48	CLR	Light	1	1
04-Jan-01	10:00 AM	2283	38.6	35.3	1.5	0.1	0.14	46	CLR	Light	1	1
05-Jan-01	09:45 AM	2372	40.6	35.3	1.7	1.2	0.14	45	CLR	Light	1	1
06-Jan-01	09:00 AM	2365	40.0	37.3	1.8	0.0	0.10	46	FOG	Light	1	1
06-Jan-01	07:30 PM	1282	-	-	-	-	0.10	-	NIT	Light	1	1
06-Jan-01	09:15 PM	1510	-	-	-	-	-	-	NIT	Light	1	2
06-Jan-01	10:00 PM	1279	-	-	-	-	-	-	NIT	Light	1	2
07-Jan-01	11:15 AM	2581	36.6	33.3	1.8	0.0	0.10	46	CLD	Light	1	2
07-Jan-01	08:30 PM	887	-	-	-	-	0.09	-	NIT	Light	1	1
07-Jan-01	10:00 PM	1117	-	-	-	-	0.10	-	NIT	Light	1	2
07-Jan-01	10:45 PM	1184	-	-	-	-	0.10	-	NIT	Light	1	2
08-Jan-01	10:15 AM	2399	32.0	30.0	1.9	1.6	0.25	48	RAN	Light	1	2
08-Jan-01	06:45 PM	952	-	-	-	-	0.30	-	NIT	Light	1	1
09-Jan-01	10:45 AM	2773	27.0	26.7	1.7	1.3	0.40	48	CLR	Medium	1	2
10-Jan-01	10:30 AM	2640	32.7	33.0	1.6	3.1	0.23	48	RAN	Heavy	1	1
10-Jan-01	06:00 PM	756	-	-	-	-	0.35	-	RAN	Heavy	1	1
10-Jan-01	11:45 PM	1429	-	-	-	-	0.50	44.5	NIT	Light	1	2
11-Jan-01	10:45 AM	2600	43.3	42.3	1.7	3.2	0.47	45.5	CLR	Medium	1	2
11-Jan-01	07:45 PM	862	-	-	-	-	0.60	-	NIT	Heavy	2	1
12-Jan-01	11:30 AM	1864	42.8	36.5	-	22.0	0.75	-	CLR	Medium	1	2
12-Jan-01	07:15 PM	1125	-	-	-	-	0.62	45	NIT	Medium	1	1
13-Jan-01	11:00 AM	3200	29.3	25.0	1.8	4.6	0.50	47	CLR	Medium	1	2
13-Jan-01	07:30 PM	1126	-	-	-	-	0.40	-	NIT	Medium	1	1
14-Jan-01	10:15 AM	3091	27.6	26.0	1.9	3.3	0.40	47	FOG	Light	1	2
14-Jan-01	07:15 PM	1173	-	-	-	-	0.30	-	NIT	Light	1	1
15-Jan-01	10:30 AM	3198	27.3	28.0	1.7	3.0	0.28	47	CLR	Light	1	2

Caswell 2001 Environmental Data - South Trap

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
16-Jan-01	01:45 PM	3374	31.0	29.4	1.7	4.2	0.20	46	CLR	Light	1	1
17-Jan-01	11:00 AM	2536	30.3	29.6	1.7	1.3	0.19	44	CLR	Light	1	1
18-Jan-01	10:30 AM	2784	30.3	31.0	1.7	0.6	0.15	43	CLR	Light	1	1
19-Jan-01	09:45 AM	2591	33.0	34.3	1.5	0.6	0.12	45	CLD	Light	1	1
20-Jan-01	10:15 AM	2548	35.0	33.6	1.7	0.0	0.10	46	CLR	Light	1	3
21-Jan-01	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
22-Jan-01	08:00 PM	-	-	-	-	-	0.02	-	NIT	-	4	0
23-Jan-01	10:30 AM	1487	37.1	39.3	1.1	0.1	0.01	48	CLD	Light	1	1
24-Jan-01	09:45 AM	3723	39.0	38.0	1.4	0.0	0.02	49	RAN	Light	1	1
25-Jan-01	10:30 AM	2414	37.0	36.6	1.4	0.1	0.15	48	CLD	Light	1	1
26-Jan-01	10:45 AM	2225	35.3	31.6	1.7	3.1	3.60	48	CLD	Heavy	1	3
27-Jan-01	11:00 AM	-	-	-	6.0	0.60	-	CLR	-	4	0	
27-Jan-01	06:00 PM	889	-	-	-	-	0.50	-	NIT	Light	1	1
28-Jan-01	10:15 AM	2821	40.6	32.6	1.7	5.9	0.30	46	CLR	Light	1	2
28-Jan-01	08:00 PM	1105	-	-	-	-	2.80	48	NIT	Light	1	1
29-Jan-01	10:45 AM	2743	33.6	34.6	1.6	2.4	0.15	49	CLD	Medium	1	2
30-Jan-01	10:30 AM	2432	37.3	36.6	1.5	2.1	0.10	47	CLR	Light	1	1
31-Jan-01	11:15 AM	2470	42.6	39.0	1.3	0.8	0.10	48	CLR	Light	1	1
01-Feb-01	11:30 AM	2365	38.6	37.0	1.6	2.4	0.04	48	CLR	Light	1	1
02-Feb-01	10:30 AM	2152	38.2	38.0	1.5	3.5	0.04	48	CLD	Light	1	1
03-Feb-01	10:45 AM	2279	38.0	39.0	1.8	0.4	0.00	49	CLR	Light	1	1
04-Feb-01	10:15 AM	2121	39.3	38.3	1.7	0.1	0.00	49	CLR	Light	1	1
05-Feb-01	10:15 AM	2234	39.0	36.3	1.6	0.3	0.02	47	FOG	Light	1	1
06-Feb-01	10:15 AM	2186	39.0	37.0	1.6	1.4	0.00	50	CLR	Light	1	1
07-Feb-01	10:15 AM	2246	40.0	40.3	1.6	1.7	-0.04	49	CLR	Light	1	1
08-Feb-01	10:15 AM	2189	37.6	40.3	1.6	0.7	-0.01	47	CLR	Light	1	1
09-Feb-01	11:15 AM	2262	42.0	43.0	1.5	0.8	-0.20	47	RAN	Light	1	3
10-Feb-01	09:00 PM	0	-	-	-	-	0.20	-	NIT	Light	4	0
11-Feb-01	10:15 AM	1336	34.6	33.6	1.5	-	0.02	48	CLD	Light	1	1
12-Feb-01	10:15 AM	2531	32.6	31.0	1.5	1.1	0.29	48	RAN	Light	1	1
13-Feb-01	09:45 AM	2888	29.3	28.6	1.8	3.8	0.47	46	CLD	Light	1	1
14-Feb-01	11:00 AM	2868	32.9	30.2	1.4	4.3	0.25	48	CLR	Light	1	1
14-Feb-01	08:15 PM	1026	-	-	-	-	0.20	-	NIT	Light	1	1
15-Feb-01	10:30 AM	2585	34.3	31.6	1.7	3.3	0.13	47	CLR	Light	1	2
16-Feb-01	10:00 AM	2453	35.6	34.6	1.4	1.8	0.10	50	CLR	Light	1	1
17-Feb-01	10:00 AM	2291	40.0	36.6	1.6	1.2	0.00	50	CLR	Light	1	1
18-Feb-01	10:30 AM	4615	39.3	38.0	1.7	0.5	0.00	50	CLD	Light	1	2
18-Feb-01	09:15 PM	1021	-	-	-	-	0.00	-	NIT	Light	1	1
19-Feb-01	10:30 AM	2280	37.3	35.6	1.6	0.0	-0.03	51	CLD	Light	1	1
19-Feb-01	07:45 PM	947	-	-	-	-	-0.02	-	RAN	Light	1	1

Caswell 2001 Environmental Data - South Trap

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
20-Feb-01	11:30 AM	2568	37.3	35.6	1.7	0.2	0.09	51	CLD	Light	1	2
20-Feb-01	08:00 PM	878	-	-	-	-	0.04	-	NIT	Light	1	1
21-Feb-01	11:00 AM	2431	34.3	30.3	1.5	1.8	0.19	51	CLD	Light	1	2
22-Feb-01	10:00 AM	2464	34.6	32.6	1.8	2.9	0.10	52	CLD	Light	1	1
23-Feb-01	10:45 AM	2573	33.3	32.6	1.6	3.9	0.10	52	CLD	Light	1	1
24-Feb-01	09:30 AM	2341	32.0	28.6	1.5	4.1	0.20	50	RAN	Medium	1	1
25-Feb-01	10:30 AM	2646	33.6	28.0	2.0	4.9	0.50	50	CLR	Medium	1	1
26-Feb-01	10:00 AM	3064	34.0	28.3	1.7	21.0	0.70	51	CLD	Heavy	1	1
26-Feb-01	09:00 PM	1309	-	-	-	-	0.49	-	NIT	Medium	1	1
27-Feb-01	11:00 AM	2937	31.6	30.0	1.8	5.4	0.24	51	CLR	Light	1	2
27-Feb-01	08:15 PM	1115	-	-	-	-	0.18	-	NIT	-	1	1
28-Feb-01	10:15 AM	2797	31.3	30.0	1.7	5.5	0.01	51	CLR	Light	1	2
01-Mar-01	09:45 AM	2712	33.0	32.6	1.8	3.4	0.01	51	CLR	Light	1	1
01-Mar-01	09:00 PM	1215	-	-	-	-	0.00	-	NIT	Light	1	1
02-Mar-01	09:00 AM	2567	30.0	28.6	1.9	3.8	0.02	52	RAN	Light	1	2
02-Mar-01	07:30 PM	1301	-	-	-	-	0.10	-	NIT	Light	1	1
03-Mar-01	10:45 AM	2945	32.6	30.0	1.8	2.7	0.10	52	CLR	Light	1	2
03-Mar-01	07:30 PM	1010	-	-	-	-	0.05	-	NIT	Light	1	1
04-Mar-01	09:45 AM	2638	33.0	31.3	1.7	5.9	0.10	52	CLD	Light	1	2
05-Mar-01	10:00 AM	2955	28.6	26.6	1.9	8.4	0.47	52	CLD	Medium	1	1
05-Mar-01	08:45 PM	1414	-	-	-	-	1.20	-	RAN	Medium	1	1
06-Mar-01	11:45 AM	3369	28.3	21.6	2.3	45.0	2.15	52	CLD	Medium	1	2
06-Mar-01	08:15 PM	1291	-	-	-	-	3.10	-	NIT	Heavy	1	1
07-Mar-01	11:30 AM	3347	30.6	25.0	2.0	28.0	1.36	53	CLR	Medium	1	2
07-Mar-01	08:15 PM	1136	-	-	-	-	0.95	-	NIT	Heavy	1	1
08-Mar-01	10:00 AM	2750	30.8	29.7	2.0	3.5	0.60	54	CLR	Medium	1	2
08-Mar-01	08:00 PM	1175	-	-	-	-	0.45	-	NIT	Light	1	1
09-Mar-01	10:00 AM	2710	31.1	32.6	1.5	8.5	0.35	56	CLD	Medium	1	2
09-Mar-01	09:00 PM	1230	-	-	-	-	0.30	-	NIT	Medium	1	1
10-Mar-01	10:30 AM	2660	33.3	31.2	1.7	4.5	0.02	53	CLR	Light	1	2
10-Mar-01	08:30 PM	1091	-	-	-	-	0.20	-	NIT	Light	1	1
11-Mar-01	10:45 AM	2252	34.6	33.0	1.7	4.3	0.14	53	CLR	Light	1	2
11-Mar-01	07:15 PM	908	-	-	-	-	0.10	-	NIT	Light	1	1
12-Mar-01	10:00 AM	2374	33.0	32.6	1.8	3.7	0.12	54	CLR	Light	1	2
12-Mar-01	09:00 PM	1061	-	-	-	-	0.04	-	NIT	Light	1	1
13-Mar-01	10:30 AM	2324	35.6	37.3	1.6	4.3	0.01	56	CLR	Light	1	2
13-Mar-01	07:30 PM	859	-	-	-	-	0.01	-	NIT	Light	1	1
14-Mar-01	09:45 AM	2162	39.0	39.0	1.5	1.7	0.10	58	CLR	Light	1	2
14-Mar-01	07:15 PM	901	-	-	-	-	0.01	-	NIT	Light	1	1
15-Mar-01	10:15 AM	2219	32.3	33.0	1.7	2.7	0.10	59	CLR	Light	1	2

Caswell 2001 Environmental Data - South Trap

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
15-Mar-01	08:00 PM	898	-	-	-	-	0.00	-	NIT	Light	1	1
16-Mar-01	10:15 AM	2037	38.3	37.0	1.6	3.8	-0.02	57	CLR	Light	1	2
16-Mar-01	08:00 PM	926	-	-	-	-	0.00	-	NIT	Light	1	1
16-Mar-01	09:15 PM	1056	-	-	-	-	0.00	-	NIT	Light	1	2
16-Mar-01	10:30 PM	1152	-	-	-	-	0.00	-	NIT	Light	1	2
16-Mar-01	11:00 PM	1227	-	-	-	-	0.00	-	NIT	Light	1	1
17-Mar-01	10:45 AM	2140	39.3	38.3	1.5	0.6	-0.10	58	CLR	Light	1	2
18-Mar-01	09:45 AM	1872	43.3	46.0	1.5	1.8	0.00	55	CLR	Medium	1	2
18-Mar-01	08:30 PM	908	-	-	-	-	0.00	-	NIT	Light	1	1
18-Mar-01	09:30 PM	990	-	-	-	-	0.00	-	NIT	Light	1	2
18-Mar-01	10:15 PM	1044	-	-	-	-	0.00	-	NIT	Light	1	2
19-Mar-01	11:30 AM	2020	44.0	36.0	1.5	2.9	-0.06	61	CLR	Medium	1	2
19-Mar-01	08:45 PM	812	-	-	-	-	0.00	-	NIT	Light	1	1
20-Mar-01	10:45 AM	1974	40.3	33.0	1.8	7.7	0.50	62	CLD	Light	1	2
20-Mar-01	08:00 PM	997	-	-	-	-	0.70	-	NIT	Light	1	1
21-Mar-01	10:45 AM	2040	67.0	40.7	1.4	9.4	0.69	62	CLR	Light	1	2
21-Mar-01	07:45 PM	920	-	-	-	-	0.65	-	NIT	Light	1	1
22-Mar-01	01:00 PM	2180	58.2	48.5	1.5	10.0	0.70	64	CLR	Light	1	2
22-Mar-01	08:00 PM	601	-	-	-	-	0.58	-	NIT	Light	1	1
23-Mar-01	11:00 AM	1710	46.0	34.0	1.9	-	0.60	65	CLR	Medium	1	2
23-Mar-01	08:15 PM	859	-	-	-	-	0.40	-	NIT	Medium	1	1
24-Mar-01	10:15 AM	1840	46.6	41.6	1.6	-	0.22	62.5	CLR	Medium	1	2
24-Mar-01	08:30 PM	925	-	-	-	-	0.40	-	NIT	Medium	1	1
25-Mar-01	09:45 AM	1765	57.1	41.6	2.0	9.4	0.48	61	CLD	Medium	1	2
25-Mar-01	07:15 PM	754	-	-	-	-	0.35	-	NIT	Light	1	1
26-Mar-01	09:30 AM	1598	60.0	35.0	1.7	7.8	0.45	62	CLR	Light	1	2
26-Mar-01	08:30 PM	907	-	-	-	-	0.40	-	NIT	Light	1	1
27-Mar-01	10:30 AM	1853	67.3	74.6	1.8	6.9	0.32	62	CLR	Light	1	2
27-Mar-01	07:30 PM	674	-	-	-	-	0.35	-	NIT	Light	1	1
28-Mar-01	09:30 AM	1485	72.0	35.6	1.9	9.0	0.54	63	CLR	Light	1	2
28-Mar-01	07:45 PM	2361	-	-	-	-	0.52	-	NIT	Light	1	1
29-Mar-01	09:00 AM	848	70.0	33.7	2.2	8.7	0.60	63	CLR	Light	1	2
29-Mar-01	08:15 PM	890	-	-	-	-	0.40	-	NIT	Light	1	1
30-Mar-01	09:30 AM	1602	66.7	53.3	2.0	9.4	0.70	62	CLR	Light	1	2
30-Mar-01	07:45 PM	800	-	-	-	-	0.35	-	NIT	Medium	1	1
31-Mar-01	10:15 AM	1555	70.0	53.3	1.9	5.8	0.75	62	CLR	Medium	3	2
31-Mar-01	09:00 PM	2460	-	-	-	-	0.40	-	NIT	Medium	1	1
01-Apr-01	10:45 AM	3362	61.6	30.0	1.9	6.8	0.75	62	CLR	Light	1	2
01-Apr-01	07:45 PM	819	-	-	-	-	0.90	-	NIT	Medium	1	1
02-Apr-01	12:00 PM	1750	63.3	23.3	2.3	11.0	1.30	59	CLD	Heavy	2	2

Caswell 2001 Environmental Data - South Trap

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
02-Apr-01	08:45 PM	1098	-	-	-	-	1.10	-	NIT	Medium	1	1
03-Apr-01	10:45 AM	2544	30.0	29.0	2.1	4.0	1.19	56	CLR	Light	1	2
04-Apr-01	11:15 AM	2205	45.7	30.0	2.1	4.8	1.18	58	CLR	Medium	1	1
04-Apr-01	08:30 PM	980	-	-	-	-	1.15	-	NIT	Light	1	1
04-Apr-01	09:45 PM	1115	-	-	-	-	1.15	-	NIT	Light	1	2
04-Apr-01	10:30 PM	1208	-	-	-	-	1.22	-	NIT	Light	1	2
05-Apr-01	10:00 AM	2691	35.0	33.7	2.4	-	1.22	58	CLR	Light	1	2
05-Apr-01	08:45 PM	1088	-	-	-	-	1.55	-	NIT	Light	1	1
06-Apr-01	11:45 AM	2555	47.2	35.5	2.4	7.2	1.80	60	CLD	Medium	1	2
06-Apr-01	06:45 PM	710	-	-	-	-	1.71	-	CLD	Light	1	1
07-Apr-01	09:45 AM	950	61.0	22.8	2.3	8.0	2.10	55	CLD	Light	3	2
07-Apr-01	09:00 PM	950	-	-	-	-	2.17	-	NIT	Light	3	1
08-Apr-01	09:45 AM	2645	30.3	25.7	2.5	5.9	2.10	53	CLR	Medium	1	2
08-Apr-01	08:30 PM	1420	-	-	-	-	1.95	-	NIT	Light	1	1
09-Apr-01	10:00 AM	3192	27.3	24.7	2.7	4.5	1.96	54	CLR	Medium	1	2
09-Apr-01	08:30 PM	1492	-	-	-	-	1.85	-	NIT	Light	1	1
10-Apr-01	09:15 AM	3330	25.3	24.3	2.6	5.1	1.82	56	CLR	Medium	1	2
10-Apr-01	07:30 PM	1451	-	-	-	-	1.80	-	NIT	Light	1	1
11-Apr-01	09:15 AM	3452	34.0	30.7	2.7	6.0	1.85	55	CLD	Light	1	2
11-Apr-01	09:00 PM	1801	-	-	-	-	1.72	-	NIT	Light	1	1
11-Apr-01	10:30 PM	2020	-	-	-	-	1.72	-	NIT	Light	1	2
11-Apr-01	11:15 PM	2160	-	-	-	-	1.72	-	NIT	Light	1	2
12-Apr-01	09:30 AM	3890	29.7	21.3	2.6	0.6	1.80	54	CLR	Light	1	2
12-Apr-01	09:30 PM	5930	-	-	-	-	1.80	-	NIT	Medium	1	1
12-Apr-01	11:15 PM	6170	-	-	-	-	1.80	-	NIT	Light	1	2
12-Apr-01	11:45 PM	6265	-	-	-	-	1.80	-	NIT	Light	1	2
13-Apr-01	08:30 AM	1350	26.0	15.7	2.4	-	1.90	56	CLR	Medium	1	2
13-Apr-01	09:45 PM	1706	-	-	-	-	1.70	-	NIT	Light	1	1
14-Apr-01	09:15 AM	3219	33.7	28.0	2.7	2.8	1.96	56	CLR	Medium	1	2
14-Apr-01	07:30 PM	1090	-	-	-	-	1.65	-	NIT	Light	1	1
15-Apr-01	08:45 AM	2620	32.7	25.3	2.9	2.6	1.90	58	CLR	Light	1	2
15-Apr-01	09:00 PM	1485	-	-	-	-	2.00	-	NIT	Light	1	1
16-Apr-01	12:00 PM	3208	41.0	27.3	2.5	2.0	2.00	58	CLR	Medium	1	2
16-Apr-01	08:15 PM	956	-	-	-	-	1.86	-	NIT	Light	1	1
17-Apr-01	10:30 AM	2496	40.0	29.7	2.6	3.3	1.70	58.5	CLR	Light	1	2
17-Apr-01	09:15 PM	1207	-	-	-	-	1.60	-	NIT	Light	1	1
17-Apr-01	10:30 PM	1370	-	-	-	-	1.60	-	NIT	Light	1	2
18-Apr-01	08:45 AM	2454	33.3	-	2.5	5.2	1.69	60	CLR	Light	1	2
18-Apr-01	09:15 PM	1310	-	-	-	-	1.50	-	NIT	Heavy	1	1
19-Apr-01	10:45 AM	2444	52.0	31.3	2.5	4.6	1.80	58	CLD	Medium	1	2

Caswell 2001 Environmental Data - South Trap

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
19-Apr-01	05:00 PM	698	-	-	-	-	2.70	-	CLD	Heavy	1	1
19-Apr-01	11:00 PM	923	-	-	-	-	3.59	-	NIT	Heavy	3	2
20-Apr-01	10:45 AM	1120	26.3	20.7	2.8	7.8	4.20	55	RAN	Heavy	3	2
20-Apr-01	09:15 PM	346	-	-	-	-	4.72	-	NIT	Heavy	3	1
21-Apr-01	09:00 AM	3307	15.7	16.3	2.5	3.1	5.00	54	CLD	Heavy	1	2
22-Apr-01	10:30 AM	780	0.0	15.7	3.2	5.1	4.90	54	CLR	Heavy	3	1
22-Apr-01	09:15 PM	2320	-	-	-	-	4.89	-	NIT	Heavy	2	1
23-Apr-01	10:45 AM	3091	18.0	15.7	3.3	4.2	4.82	56	CLR	Medium	3	2
23-Apr-01	08:15 PM	1751	-	-	-	-	4.70	-	NIT	Medium	1	1
24-Apr-01	02:00 PM	3608	19.0	17.0	3.1	3.1	4.80	59	CLR	Heavy	1	2
24-Apr-01	08:15 PM	1355	-	-	-	-	4.70	-	NIT	Medium	1	1
25-Apr-01	09:00 AM	2661	19.0	15.0	3.0	1.7	4.63	58	CLR	-	1	2
25-Apr-01	09:00 PM	988	-	-	-	-	4.48	-	NIT	Heavy	1	1
26-Apr-01	09:45 AM	3335	21.0	16.3	3.4	4.0	4.58	59	CLR	Medium	1	2
26-Apr-01	09:45 PM	2400	-	-	-	-	4.62	-	NIT	Heavy	1	1
27-Apr-01	11:15 AM	3345	19.0	15.7	3.1	1.5	4.80	58	CLR	Medium	2	2
27-Apr-01	09:00 PM	2163	-	-	-	-	4.85	-	NIT	Heavy	2	1
28-Apr-01	11:15 AM	2990	19.7	15.0	3.5	2.1	4.81	56	CLR	Heavy	1	2
28-Apr-01	09:00 PM	1040	-	-	-	-	4.75	-	NIT	Medium	1	1
29-Apr-01	11:00 AM	1040	17.7	16.3	3.5	1.7	4.90	56	CLR	Heavy	1	2
29-Apr-01	09:15 PM	1735	-	-	-	-	4.90	-	NIT	Heavy	3	1
30-Apr-01	10:30 AM	4536	18.7	15.7	3.5	3.2	5.17	59	CLR	Heavy	1	2
30-Apr-01	08:00 PM	2075	-	-	-	-	4.90	-	NIT	Medium	1	1
01-May-01	12:15 PM	4434	18.3	16.0	3.3	2.2	4.98	59	CLR	Heavy	3	2
01-May-01	09:00 PM	1709	-	-	-	-	4.98	-	NIT	Heavy	1	1
02-May-01	10:00 AM	470	19.3	15.0	3.5	3.4	5.02	58	CLR	Heavy	3	2
02-May-01	08:15 PM	1170	-	-	-	-	5.00	-	NIT	Heavy	3	1
03-May-01	10:15 AM	2394	15.7	13.7	3.3	3.8	5.21	62	CLR	Heavy	2	2
03-May-01	08:30 PM	2264	-	-	-	-	5.00	-	NIT	Medium	1	1
04-May-01	10:00 AM	5578	15.8	14.7	3.2	1.5	5.00	55	CLR	Heavy	2	2
04-May-01	08:00 PM	2342	-	-	-	-	4.91	-	NIT	Medium	1	1
05-May-01	11:15 AM	3970	0.0	14.7	3.5	3.5	5.05	55	CLR	Heavy	3	2
05-May-01	08:15 PM	1235	-	-	-	-	5.10	-	NIT	Medium	3	1
06-May-01	10:15 AM	3440	15.6	13.5	3.4	2.6	5.20	56	CLR	Medium	3	2
06-May-01	09:00 PM	2273	-	-	-	-	5.12	-	NIT	Medium	1	1
07-May-01	09:00 AM	4609	15.7	13.3	3.4	3.9	5.25	57.5	CLR	Medium	1	2
07-May-01	08:45 PM	2555	-	-	-	-	5.02	-	NIT	Heavy	3	1
08-May-01	09:30 AM	3364	13.7	12.7	-	1.2	5.29	58	CLR	Heavy	1	2
08-May-01	08:00 PM	2506	-	-	-	-	5.14	-	NIT	Medium	1	1
09-May-01	11:00 AM	6290	14.1	13.5	3.5	2.5	5.30	57.5	CLR	Heavy	1	2

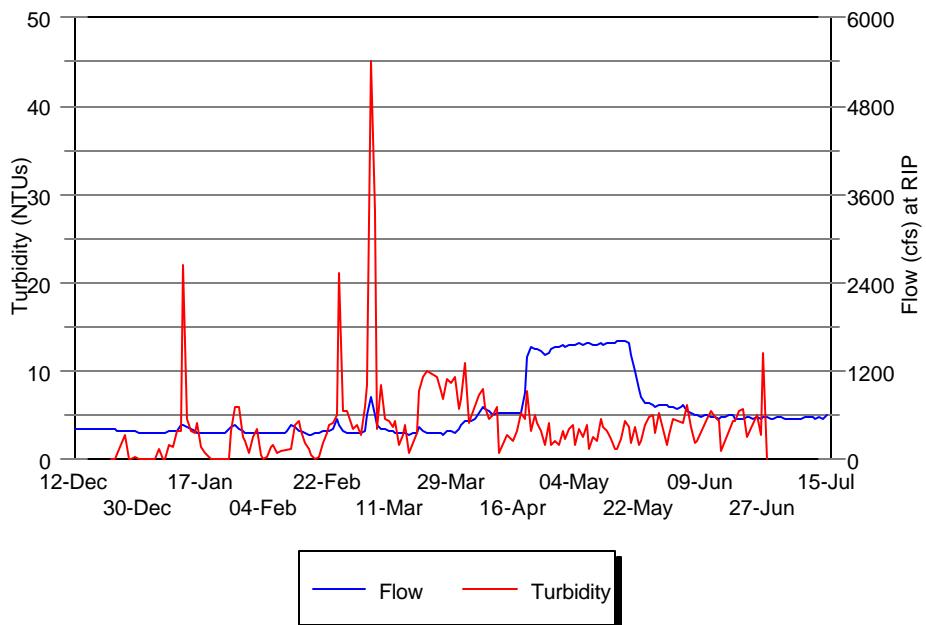
Caswell 2001 Environmental Data - South Trap

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
09-May-01	08:45 PM	2560	-	-	-	-	5.04	-	NIT	Medium	1	1
10-May-01	09:15 AM	5682	16.0	13.3	3.5	2.1	5.20	56	CLR	Heavy	1	2
10-May-01	08:00 PM	2701	-	-	-	-	5.19	-	NIT	Medium	1	1
11-May-01	09:45 AM	6330	15.7	14.0	3.3	4.6	5.15	58	CLR	Medium	1	2
11-May-01	08:15 PM	2655	-	-	-	-	5.15	-	NIT	Light	1	1
12-May-01	09:30 AM	6018	19.3	17.7	3.5	3.6	5.09	58	CLD	Heavy	1	2
12-May-01	08:00 PM	2653	-	-	-	-	5.10	-	NIT	Heavy	1	1
13-May-01	09:00 AM	6005	15.0	13.0	3.0	3.2	5.30	55	CLR	Heavy	1	2
13-May-01	08:30 PM	2875	-	-	-	-	5.24	-	NIT	Medium	1	1
14-May-01	10:00 AM	6447	14.4	13.0	3.3	2.2	5.31	55	CLR	Medium	1	2
14-May-01	08:00 PM	2611	-	-	-	-	5.18	-	NIT	Medium	1	1
15-May-01	10:00 AM	6182	15.0	13.7	3.5	1.2	5.09	55	CLD	Medium	1	2
15-May-01	08:00 PM	2607	-	-	-	-	5.20	-	NIT	Heavy	1	1
16-May-01	09:00 AM	5810	15.7	14.0	3.4	1.2	5.42	56	CLR	Heavy	1	2
16-May-01	08:00 PM	2440	-	-	-	-	5.25	-	NIT	Heavy	1	1
17-May-01	09:00 AM	2580	17.0	13.0	2.9	2.2	5.45	56	CLR	Light	3	2
17-May-01	09:30 PM	4340	-	-	-	-	5.45	-	NIT	Heavy	1	1
18-May-01	08:30 AM	5900	18.7	14.3	2.9	4.4	5.60	58	CLR	Medium	3	2
18-May-01	08:30 PM	2533	-	-	-	-	5.30	-	NIT	Medium	2	1
19-May-01	08:45 AM	2815	16.3	13.3	3.4	3.7	5.42	58	CLR	Heavy	1	2
19-May-01	08:15 PM	2380	-	-	-	-	5.30	-	NIT	Medium	3	1
20-May-01	08:45 AM	2450	15.0	13.7	3.2	1.8	5.00	58	CLR	Heavy	3	2
20-May-01	08:15 PM	2835	-	-	-	-	4.78	-	NIT	Medium	1	1
21-May-01	10:30 AM	6250	16.3	15.3	3.0	3.7	4.31	60	CLR	Light	1	2
21-May-01	08:00 PM	2164	-	-	-	-	3.90	-	NIT	Medium	1	1
22-May-01	10:15 AM	5312	16.0	13.3	3.0	1.6	3.40	61	CLR	Medium	2	2
22-May-01	08:00 PM	2074	-	-	-	-	3.27	-	CLR	Medium	1	1
23-May-01	10:30 AM	-	20.2	17.5	2.7	2.0	3.00	63	CLR	Medium	1	2
23-May-01	06:30 PM	6432	-	-	-	-	2.72	-	CLR	Medium	1	1
24-May-01	12:30 PM	9430	27.3	18.7	2.4	3.9	2.62	64	CLR	Medium	1	2
24-May-01	09:30 PM	1460	-	-	-	-	2.44	-	NIT	Medium	1	1
24-May-01	11:15 PM	1740	-	-	-	-	2.25	63	NIT	Light	1	2
25-May-01	10:00 AM	3211	22.3	20.7	2.7	4.8	2.50	62	CLR	Light	1	2
25-May-01	08:45 PM	670	-	-	-	-	2.38	-	NIT	Medium	3	1
25-May-01	10:00 PM	-	-	-	-	-	2.38	63	NIT	Light	1	2
25-May-01	10:30 PM	80	-	-	-	-	2.38	63	NIT	Light	1	2
26-May-01	08:00 AM	1150	59.3	17.3	2.5	4.9	2.30	62	CLR	Medium	1	2
26-May-01	09:30 PM	1582	-	-	-	-	2.24	-	NIT	Medium	3	1
26-May-01	11:00 PM	1860	-	-	-	-	2.18	-	NIT	Light	1	2
26-May-01	11:45 PM	1998	-	-	-	-	2.16	-	NIT	Light	1	2

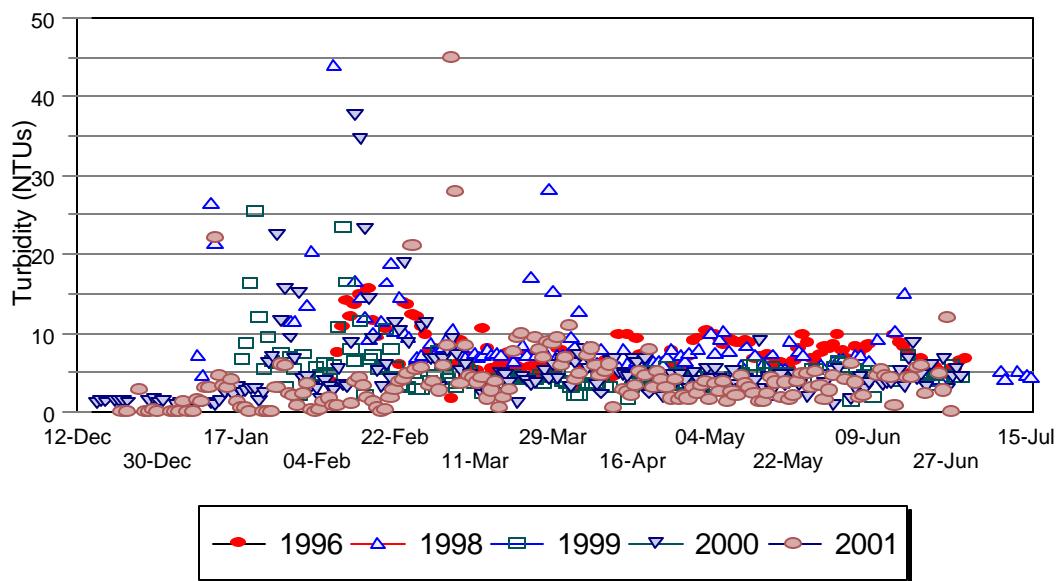
Caswell 2001 Environmental Data - South Trap

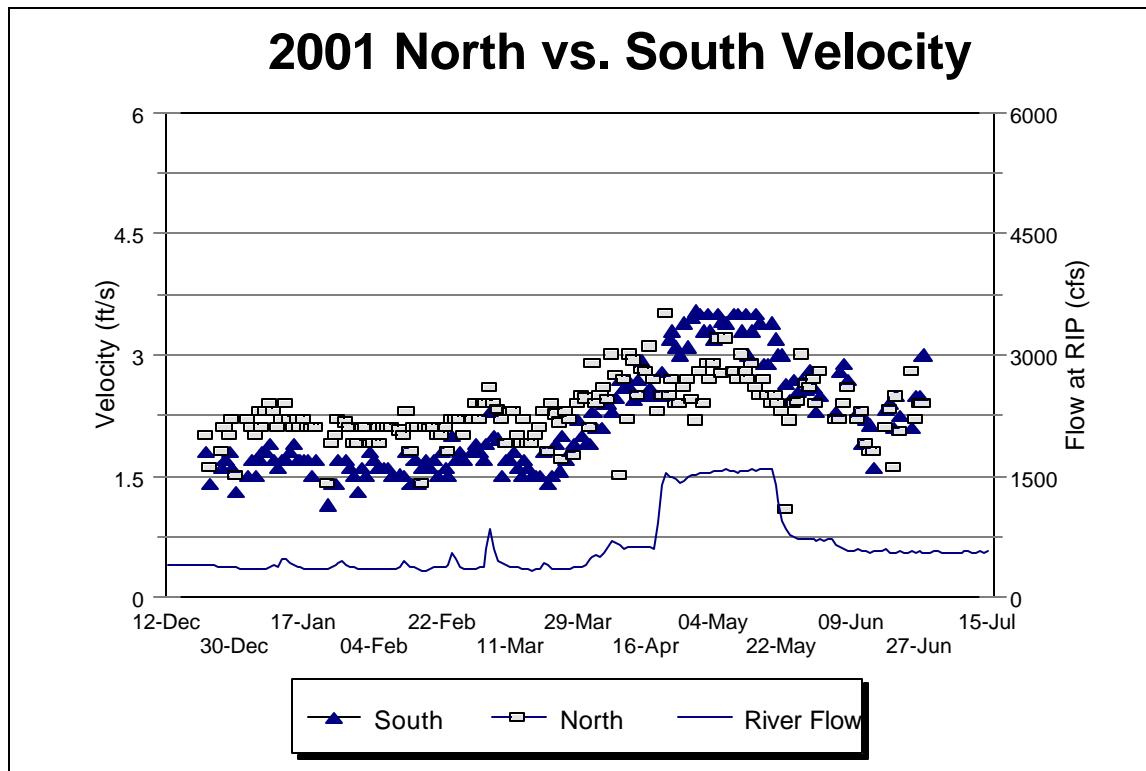
Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
27-May-01	09:00 AM	3752	13.7	13.3	2.7	3.0	2.19	59	CLR	Medium	1	2
27-May-01	08:30 PM	1960	-	-	-	-	2.60	-	NIT	Medium	1	1
28-May-01	08:45 AM	3438	43.0	16.7	2.6	5.2	2.50	58	CLR	Heavy	1	2
29-May-01	09:45 AM	3260	-	19.9	2.8	3.4	2.48	60	CLR	Medium	3	1
30-May-01	09:00 AM	2132	-	18.7	2.6	1.6	2.40	62	CLR	Heavy	3	1
31-May-01	09:15 AM	2607	70.3	23.7	2.3	2.7	2.42	63	CLR	Heavy	1	1
31-May-01	08:30 PM	1620	-	-	-	-	3.30	-	NIT	Medium	1	1
31-May-01	10:45 PM	1995	-	-	-	-	3.30	-	NIT	Light	1	2
01-Jun-01	09:30 AM	2510	70.0	17.7	2.5	4.6	2.30	64	CLR	Medium	1	3
02-Jun-01	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
03-Jun-01	6:30 PM	-	-	-	-	-	-	-	-	-	4	0
04-Jun-01	09:30 AM	2150	26.0	20.3	-	4.2	2.36	58	CLR	Light	1	1
05-Jun-01	09:15 AM	3178	55.3	26.0	2.3	6.1	2.36	58	CLR	Heavy	1	1
06-Jun-01	09:00 AM	847	69.3	17.0	2.8	3.7	2.00	64	CLR	Medium	1	1
07-Jun-01	10:45 AM	1634	-	17.9	2.9	1.9	1.98	65	CLR	Medium	3	1
08-Jun-01	10:00 AM	1871	-	20.7	2.7	2.0	1.92	68	CLR	Medium	3	3
09-Jun-01	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
10-Jun-01	06:30 PM	-	-	-	-	-	-	-	-	-	4	0
11-Jun-01	08:45 AM	1760	33.3	22.7	2.3	4.5	2.00	65	CLR	Heavy	1	1
12-Jun-01	09:00 AM	2907	61.7	21.7	1.9	5.4	1.88	65	CLR	Heavy	1	1
13-Jun-01	08:30 AM	2840	43.0	28.0	2.2	4.7	1.90	66	CLR	Heavy	1	1
14-Jun-01	09:00 AM	1940	49.7	21.3	2.1	4.3	1.60	65	CLR	Heavy	1	1
15-Jun-01	09:00 AM	2470	33.0	21.3	1.6	0.8	1.70	66	CLR	Light	1	3
16-Jun-01	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
17-Jun-01	6:30 PM	-	-	-	-	-	-	-	-	-	4	0
18-Jun-01	09:15 AM	1134	45.7	17.7	2.3	4.3	2.10	64	CLR	Medium	1	1
19-Jun-01	09:00 AM	2475	75.0	16.3	2.4	4.3	1.71	58	CLR	Light	1	1
20-Jun-01	08:45 AM	4980	26.3	19.3	2.1	5.5	1.60	65	CLR	Medium	1	1
21-Jun-01	10:00 AM	2710	34.0	21.7	2.5	5.8	1.55	71	CLR	Medium	1	1
22-Jun-01	08:30 AM	2611	70.0	19.0	2.3	2.4	1.62	72	CLR	Medium	1	3
23-Jun-01	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
24-Jun-01	05:30 PM	-	-	-	-	-	1.54	71	NIT	-	4	0
25-Jun-01	09:45 AM	1799	31.3	14.7	2.1	4.9	1.78	67	CLR	Light	1	1
26-Jun-01	09:30 AM	1697	-	16.0	2.5	2.7	1.81	67	CLR	Light	3	1
27-Jun-01	10:00 AM	1647	-	23.0	2.5	12.0	2.11	78	CLD	Heavy	3	1
28-Jun-01	09:45 AM	360	-	29.7	3.0	0.2	1.82	66	CLR	Light	3	3

2001 River Flow and Turbidity at Caswell



Comparison of Turbidity at Caswell 1996-2001





Caswell Data 1995 - 2001

96, 00	95, 97		2001	2000	1999	1998	1997	1996	1995
Leap Year	98, 99	Julian Date	Combined Number						
Date	Date	Week	Captured						
12-Dec	12-Dec	50	-	-	-	-	-	-	-
13-Dec	13-Dec	50	-	-	-	-	-	-	-
14-Dec	14-Dec	50	-	-	-	-	-	-	-
15-Dec	15-Dec	50	-	-	-	-	-	-	-
16-Dec	16-Dec	50	-	0	-	-	-	-	-
17-Dec	17-Dec	51	-	0	-	-	-	-	-
18-Dec	18-Dec	51	-	0	-	-	-	-	-
19-Dec	19-Dec	51	-	ns	-	-	-	-	-
20-Dec	20-Dec	51	-	0	-	-	-	-	-
21-Dec	21-Dec	51	-	0	-	-	-	-	-
22-Dec	22-Dec	51	2	0	-	-	-	-	-
23-Dec	23-Dec	51	0	0	-	-	-	-	-
24-Dec	24-Dec	52	ns	ns	-	-	-	-	-
25-Dec	25-Dec	52	ns	ns	-	-	-	-	-
26-Dec	26-Dec	52	0	ns	-	-	-	-	-
27-Dec	27-Dec	52	3	ns	-	-	-	-	-
28-Dec	28-Dec	52	0	0	-	-	-	-	-

Caswell Data 1995 - 2001

96, 00	95, 97		2001	2000	1999	1998	1997	1996	1995
Leap Year	98, 99	Julian	Combined Number						
Date	Date	Week	Captured						
29-Dec	29-Dec	52	1	0	-	-	-	-	-
30-Dec	30-Dec	52	1	0	-	-	-	-	-
31-Dec	31-Dec	52	ns	0	-	-	-	-	-
01-Jan	01-Jan	1	ns	ns	-	-	-	-	-
02-Jan	02-Jan	1	0	ns	-	-	-	-	-
03-Jan	03-Jan	1	0	0	-	-	-	-	-
04-Jan	04-Jan	1	0	0	-	-	-	-	-
05-Jan	05-Jan	1	0	0	-	-	-	-	-
06-Jan	06-Jan	1	1	0	-	-	-	-	-
07-Jan	07-Jan	1	0	1	-	-	-	-	-
08-Jan	08-Jan	2	5	1	-	6	-	-	-
09-Jan	09-Jan	2	0	1	-	0	-	-	-
10-Jan	10-Jan	2	2	0	-	-	-	-	-
11-Jan	11-Jan	2	0	0	-	0	-	-	-
12-Jan	12-Jan	2	0	0	-	3	-	-	-
13-Jan	13-Jan	2	1	0	-	-	-	-	-
14-Jan	14-Jan	2	0	0	-	-	-	-	-
15-Jan	15-Jan	3	1	1	-	-	-	-	-
16-Jan	16-Jan	3	2	0	-	-	-	-	-
17-Jan	17-Jan	3	0	0	-	-	-	-	-
18-Jan	18-Jan	3	0	0	13	-	-	-	-
19-Jan	19-Jan	3	1	0	16	-	-	-	-
20-Jan	20-Jan	3	0	0	112	-	-	-	-
21-Jan	21-Jan	3	ns	0	1606	-	-	-	-
22-Jan	22-Jan	4	ns	0	1849	-	-	-	-
23-Jan	23-Jan	4	0	0	812	-	-	-	-
24-Jan	24-Jan	4	0	1	185	-	-	-	-
25-Jan	25-Jan	4	0	1	938	-	-	-	-
26-Jan	26-Jan	4	0	88	766	-	-	-	-
27-Jan	27-Jan	4	0	2763	746	-	-	-	-
28-Jan	28-Jan	4	7	3364	909	-	-	-	-
29-Jan	29-Jan	5	6	761	623	802	-	-	-
30-Jan	30-Jan	5	0	198	591	286	-	-	-
31-Jan	31-Jan	5	2	51	621	195	-	-	-
01-Feb	01-Feb	5	0	47	310	-	-	-	-
02-Feb	02-Feb	5	3	25	925	1,085	-	-	-
03-Feb	03-Feb	5	0	22	533	332	-	-	-
04-Feb	04-Feb	5	6	34	582	-	-	-	-
05-Feb	05-Feb	6	3	14	586	-	-	-	-
06-Feb	06-Feb	6	2	17	1110	-	-	89	-
07-Feb	07-Feb	6	0	16	723	-	-	42	-
08-Feb	08-Feb	6	1	16	411	1,180	-	44	-
09-Feb	09-Feb	6	0	16	1390	-	-	13	-
10-Feb	10-Feb	6	0	7	2322	-	-	2	-
11-Feb	11-Feb	6	0	13	1903	-	-	0	-
12-Feb	12-Feb	7	0	8	2232	-	-	6	-
13-Feb	13-Feb	7	2	2847	1436	897	-	2	-
14-Feb	14-Feb	7	30	23531	1143	849	-	28	-
15-Feb	15-Feb	7	45	5360	1522	1,022	-	39	-

Caswell Data 1995 - 2001

96, 00	95, 97		2001	2000	1999	1998	1997	1996	1995
Leap Year	98, 99	Julian	Combined Number						
Date	Date	Week	Captured						
16-Feb	16-Feb	7	5	11358	156	2,509	-	16	-
17-Feb	17-Feb	7	4	4524	743	227	-	44	-
18-Feb	18-Feb	7	9	2828	567	62	-	57	-
19-Feb	19-Feb	8	9	1840	978	273	-	52	-
20-Feb	20-Feb	8	7	1127	897	352	-	37	-
21-Feb	21-Feb	8	6	649	1027	393	-	-	-
22-Feb	22-Feb	8	0	924	1134	316	-	-	-
23-Feb	23-Feb	8	3	502	802	110	-	113	-
24-Feb	24-Feb	8	1	398	780	191	-	3	-
25-Feb	25-Feb	8	5	ns	491	188	-	24	-
26-Feb	26-Feb	9	13	ns	396	159	-	11	-
27-Feb	27-Feb	9	101	199	354	149	-	16	-
28-Feb	28-Feb	9	34	255	329	162	-	11	-
29-Feb	x	9	x	238	x	x	x	5	x
01-Mar	01-Mar	9	29	105	237	97	-	6	-
02-Mar	02-Mar	9	21	ns	314	123	-	1	-
03-Mar	03-Mar	9	11	1	144	74	-	-	-
04-Mar	04-Mar	9	13	82	94	27	-	-	-
05-Mar	05-Mar	10	9	80	254	49	-	-	-
06-Mar	06-Mar	10	36	86	317	52	-	0	-
07-Mar	07-Mar	10	252	11	78	25	-	4	-
08-Mar	08-Mar	10	203	23	88	124	-	4	-
09-Mar	09-Mar	10	56	250	93	216	-	1	-
10-Mar	10-Mar	10	24	127	109	394	-	0	-
11-Mar	11-Mar	10	27	334	39	242	-	0	-
12-Mar	12-Mar	11	40	106	39	352	-	1	-
13-Mar	13-Mar	11	43	138	ns	68	-	0	-
14-Mar	14-Mar	11	38	174	39	77	-	1	-
15-Mar	15-Mar	11	18	203	38	78	-	0	-
16-Mar	16-Mar	11	11	119	25	108	-	1	-
17-Mar	17-Mar	11	12	203	ns	238	-	0	-
18-Mar	18-Mar	11	9	512	58	20	-	2	-
19-Mar	19-Mar	12	21	429	29	29	15	0	-
20-Mar	20-Mar	12	7	198	39	9	17	1	-
21-Mar	21-Mar	12	8	279	24	7	35	0	-
22-Mar	22-Mar	12	3	139	21	1	36	0	-
23-Mar	23-Mar	12	9	225	18	19	48	0	-
24-Mar	24-Mar	12	9	320	ns	54	42	0	-
25-Mar	25-Mar	12	94	129	14	48	32	0	-
26-Mar	26-Mar	13	68	34	39	504	30	4	-
27-Mar	27-Mar	13	56	77	61	244	22	2	-
28-Mar	28-Mar	13	50	71	57	85	28	7	82
29-Mar	29-Mar	13	170	56	53	14	21	10	38
30-Mar	30-Mar	13	32	107	20	123	23	3	20
31-Mar	31-Mar	13	32	68	14	59	30	5	32
01-Apr	01-Apr	13	180	126	63	71	45	3	8
02-Apr	02-Apr	14	424	78	77	62	22	3	18
03-Apr	03-Apr	14	183	69	47	105	27	8	11
04-Apr	04-Apr	14	237	121	109	227	28	18	0

Caswell Data 1995 - 2001

96, 00	95, 97		2001	2000	1999	1998	1997	1996	1995
Leap Year	98, 99	Julian	Combined Number						
Date	Date	Week	Captured						
05-Apr	05-Apr	14	264	98	26	302	48	9	0
06-Apr	06-Apr	14	155	142	35	37	51	14	56
07-Apr	07-Apr	14	15	187	23	254	39	13	22
08-Apr	08-Apr	14	371	95	11	312	26	1	23
09-Apr	09-Apr	15	191	73	12	39	46	8	52
10-Apr	10-Apr	15	305	91	21	66	60	4	108
11-Apr	11-Apr	15	39	115	7	79	37	2	135
12-Apr	12-Apr	15	233	106	33	71	49	9	119
13-Apr	13-Apr	15	129	135	18	24	45	2	63
14-Apr	14-Apr	15	199	172	38	25	68	0	110
15-Apr	15-Apr	15	155	487	46	39	37	10	50
16-Apr	16-Apr	16	116	134	28	27	37	2	27
17-Apr	17-Apr	16	129	110	57	16	81	3	66
18-Apr	18-Apr	16	91	157	52	8	43	6	25
19-Apr	19-Apr	16	65	76	59	74	22	15	19
20-Apr	20-Apr	16	110	6	38	23	51	1	15
21-Apr	21-Apr	16	25	157	27	21	28	22	20
22-Apr	22-Apr	16	3	66	28	27	38	36	16
23-Apr	23-Apr	17	142	196	12	39	10	20	0
24-Apr	24-Apr	17	139	105	49	26	9	38	8
25-Apr	25-Apr	17	121	51	40	22	26	39	15
26-Apr	26-Apr	17	110	92	45	42	32	38	19
27-Apr	27-Apr	17	54	36	36	44	15	95	28
28-Apr	28-Apr	17	100	41	54	75	4	109	5
29-Apr	29-Apr	17	89	77	35	67	21	89	10
30-Apr	30-Apr	18	148	61	35	72	27	121	9
01-May	01-May	18	214	57	59	101	3	40	11
02-May	02-May	18	72	49	92	57	15	84	7
03-May	03-May	18	250	65	34	45	42	44	-
04-May	04-May	18	385	54	15	39	28	67	8
05-May	05-May	18	167	54	9	90	47	107	13
06-May	06-May	18	154	40	119	65	9	73	9
07-May	07-May	19	228	32	55	15	32	42	0
08-May	08-May	19	143	6	64	0	29	47	5
09-May	09-May	19	112	57	68	-	31	47	17
10-May	10-May	19	104	114	55	95	23	21	0
11-May	11-May	19	137	38	23	88	21	60	5
12-May	12-May	19	94	139	62	94	24	20	12
13-May	13-May	19	142	45	47	45	35	6	16
14-May	14-May	20	163	59	72	133	31	16	16
15-May	15-May	20	170	18	40	158	19	5	2
16-May	16-May	20	77	23	50	132	52	19	18
17-May	17-May	20	48	71	49	113	5	10	22
18-May	18-May	20	64	110	95	89	42	14	31
19-May	19-May	20	86	117	38	118	62	10	12
20-May	20-May	20	51	98	40	80	38	19	13
21-May	21-May	21	144	65	126	37	23	23	9
22-May	22-May	21	107	34	103	59	30	8	6
23-May	23-May	21	200	15	75	25	0	9	9

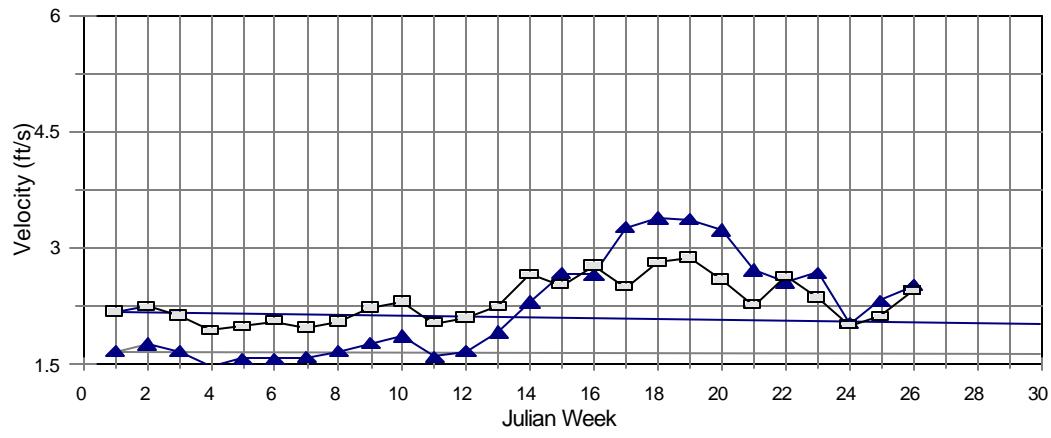
Caswell Data 1995 - 2001

96, 00	95, 97		2001	2000	1999	1998	1997	1996	1995
Leap Year	98, 99	Julian	Combined Number						
Date	Date	Week	Captured						
24-May	24-May	21	51	11	65	53	12	18	5
25-May	25-May	21	105	30	13	40	31	20	2
26-May	26-May	21	47	22	118	71	51	52	15
27-May	27-May	21	27	ns	73	5	11	30	-
28-May	28-May	22	17	ns	27	41	6	15	-
29-May	29-May	22	15	ns	ns	51	42	22	-
30-May	30-May	22	26	15	ns	39	2	9	-
31-May	31-May	22	4	5	ns	0	7	10	-
01-Jun	01-Jun	22	13	12	81	6	3	10	-
02-Jun	02-Jun	22	ns	14	27	54	11	11	-
03-Jun	03-Jun	22	ns	ns	59	29	7	2	-
04-Jun	04-Jun	23	10	ns	55	0	2	2	-
05-Jun	05-Jun	23	4	7	23	76	7	7	-
06-Jun	06-Jun	23	0	6	4	3	8	3	-
07-Jun	07-Jun	23	5	5	31	0	3	1	-
08-Jun	08-Jun	23	5	4	30	0	2	4	-
09-Jun	09-Jun	23	ns	9	34	66	6	2	-
10-Jun	10-Jun	23	ns	ns	18	1	3	0	-
11-Jun	11-Jun	24	4	ns	29	15	7	0	-
12-Jun	12-Jun	24	3	4	ns	16	6	3	-
13-Jun	13-Jun	24	0	6	ns	25	5	2	-
14-Jun	14-Jun	24	4	1	2	10	3	2	-
15-Jun	15-Jun	24	2	0	2	0	2	0	-
16-Jun	16-Jun	24	ns	1	12	6	6	0	-
17-Jun	17-Jun	24	ns	0	15	1	1	1	-
18-Jun	18-Jun	25	0	1	7	2	3	0	-
19-Jun	19-Jun	25	0	0	ns	0	4	0	-
20-Jun	20-Jun	25	0	0	ns	-	3	0	-
21-Jun	21-Jun	25	0	0	2	-	4	1	-
22-Jun	22-Jun	25	0	0	9	1	4	0	-
23-Jun	23-Jun	25	ns	2	6	2	2	1	-
24-Jun	24-Jun	25	ns	ns	6	3	1	1	-
25-Jun	25-Jun	26	0	ns	5	0	-	0	-
26-Jun	26-Jun	26	0	0	ns	0	-	0	-
27-Jun	27-Jun	26	0	0	ns	-	-	1	-
28-Jun	28-Jun	26	0	0	1	-	-	0	-
29-Jun	29-Jun	26	-	0	1	1	-	0	-
30-Jun	30-Jun	26	-	0	4	2	-	1	-
01-Jul	01-Jul	26	-	-	-	0	-	1	-
02-Jul	02-Jul	27	-	-	-	0	-	-	-
03-Jul	03-Jul	27	-	-	-	2	-	-	-
04-Jul	04-Jul	27	-	-	-	-	-	-	-
05-Jul	05-Jul	27	-	-	-	-	-	-	-
06-Jul	06-Jul	27	-	-	-	-	-	-	-
07-Jul	07-Jul	27	-	-	-	0	-	-	-
08-Jul	08-Jul	27	-	-	-	0	-	-	-
09-Jul	09-Jul	28	-	-	-	0	-	-	-
10-Jul	10-Jul	28	-	-	-	0	-	-	-
11-Jul	11-Jul	28	-	-	-	-	-	-	-

Caswell Data 1995 - 2001

96, 00	95, 97	2001	2000	1999	1998	1997	1996	1995
Leap Year	Julian Date	Combined Number						
Date	Date	Week	Captured	Captured	Captured	Captured	Captured	Captured
12-Jul	12-Jul	28	-	-	-	-	-	-
13-Jul	13-Jul	28	-	-	-	0	-	-
14-Jul	14-Jul	28	-	-	-	0	-	-
15-Jul	15-Jul	28	-	-	-	0	-	-
16-Jul	16-Jul	29	-	-	-	0	-	-

2001 Average Velocity by Julian Week



Caswell Data 1995 - 2001

96, 00	95, 97		2001	2000	1999	1998	1997	1996	1995
Leap Year	98, 99	Julian	Combined Mean						
Date	Date	Week	Length (mm)						
12-Dec	12-Dec	50	-	-	-	-	-	-	-
13-Dec	13-Dec	50	-	-	-	-	-	-	-
14-Dec	14-Dec	50	-	-	-	-	-	-	-
15-Dec	15-Dec	50	-	-	-	-	-	-	-
16-Dec	16-Dec	50	-	-	-	-	-	-	-
17-Dec	17-Dec	51	-	-	-	-	-	-	-
18-Dec	18-Dec	51	-	-	-	-	-	-	-
19-Dec	19-Dec	51	-	ns	-	-	-	-	-
20-Dec	20-Dec	51	-	-	-	-	-	-	-
21-Dec	21-Dec	51	-	-	-	-	-	-	-
22-Dec	22-Dec	51	32.50	-	-	-	-	-	-
23-Dec	23-Dec	51	-	-	-	-	-	-	-
24-Dec	24-Dec	52	ns	ns	-	-	-	-	-
25-Dec	25-Dec	52	ns	ns	-	-	-	-	-
26-Dec	26-Dec	52	-	ns	-	-	-	-	-
27-Dec	27-Dec	52	34.33	ns	-	-	-	-	-
28-Dec	28-Dec	52	-	-	-	-	-	-	-
29-Dec	29-Dec	52	36.00	-	-	-	-	-	-
30-Dec	30-Dec	52	36.00	-	-	-	-	-	-
31-Dec	31-Dec	52	ns	-	-	-	-	-	-
01-Jan	01-Jan	1	ns	ns	-	-	-	-	-
02-Jan	02-Jan	1	-	ns	-	-	-	-	-
03-Jan	03-Jan	1	-	-	-	-	-	-	-
04-Jan	04-Jan	1	-	-	-	-	-	-	-
05-Jan	05-Jan	1	-	-	-	-	-	-	-
06-Jan	06-Jan	1	34.00	-	-	-	-	-	-
07-Jan	07-Jan	1	-	34	-	-	-	-	-
08-Jan	08-Jan	2	34.20	33	-	34.67	-	-	-
09-Jan	09-Jan	2	-	35	-	-	-	-	-
10-Jan	10-Jan	2	33.00	-	-	-	-	-	-
11-Jan	11-Jan	2	-	-	-	-	-	-	-
12-Jan	12-Jan	2	-	-	-	36.00	-	-	-
13-Jan	13-Jan	2	36.00	-	-	-	-	-	-
14-Jan	14-Jan	2	-	-	-	-	-	-	-
15-Jan	15-Jan	3	35.00	35	-	-	-	-	-
16-Jan	16-Jan	3	36.50	-	-	-	-	-	-
17-Jan	17-Jan	3	-	-	-	-	-	-	-
18-Jan	18-Jan	3	-	-	34.62	-	-	-	-
19-Jan	19-Jan	3	35.00	-	35.38	-	-	-	-
20-Jan	20-Jan	3	-	-	34.14	-	-	-	-
21-Jan	21-Jan	3	ns	-	34.65	-	-	-	-
22-Jan	22-Jan	4	ns	-	34.88	-	-	-	-
23-Jan	23-Jan	4	-	-	35.1	-	-	-	-
24-Jan	24-Jan	4	-	35	34.64	-	-	-	-
25-Jan	25-Jan	4	-	36	34.48	-	-	-	-
26-Jan	26-Jan	4	-	36.47	35.33	-	-	-	-
27-Jan	27-Jan	4	-	36.13	34.89	-	-	-	-
28-Jan	28-Jan	4	35.20	35.3	34.24	-	-	-	-

Caswell Data 1995 - 2001

96, 00	95, 97		2001	2000	1999	1998	1997	1996	1995
Leap Year	98, 99	Julian	Combined Mean						
Date	Date	Week	Length (mm)						
29-Jan	29-Jan	5	36.60	35.24	34.85	35.41	-	-	-
30-Jan	30-Jan	5	-	36.09	34.58	35.79	-	-	-
31-Jan	31-Jan	5	35.50	35.45	34.49	35.22	-	-	-
01-Feb	01-Feb	5	-	35.79	35.65	-	-	-	-
02-Feb	02-Feb	5	35.00	37.04	34.97	35.84	-	-	-
03-Feb	03-Feb	5	-	34.86	35.25	37.65	-	-	-
04-Feb	04-Feb	5	35.20	36.53	34.98	-	-	-	-
05-Feb	05-Feb	6	36.00	36.07	35.43	-	-	-	-
06-Feb	06-Feb	6	36.50	36.41	34.02	-	-	34.92	-
07-Feb	07-Feb	6	-	35.38	35.3	-	-	-	-
08-Feb	08-Feb	6	37.00	37.25	34.91	35.65	-	34.10	-
09-Feb	09-Feb	6	-	38.12	35.17	-	-	-	-
10-Feb	10-Feb	6	-	38.14	35.26	-	-	-	-
11-Feb	11-Feb	6	-	40.08	34.36	-	-	-	-
12-Feb	12-Feb	7	-	39.88	35.27	-	-	35.17	-
13-Feb	13-Feb	7	37.50	35.99	35.57	36.09	-	-	-
14-Feb	14-Feb	7	35.36	36.91	35.6	37.40	-	-	-
15-Feb	15-Feb	7	35.64	36.7	35	36.51	-	34.76	-
16-Feb	16-Feb	7	35.40	38.58	35.82	37.32	-	-	-
17-Feb	17-Feb	7	35.50	37.44	35.47	37.86	-	-	-
18-Feb	18-Feb	7	34.86	36.26	35.78	39.05	-	-	-
19-Feb	19-Feb	8	36.78	36.41	34.3	37.04	-	34.78	-
20-Feb	20-Feb	8	35.86	37.4	36.45	37.41	-	-	-
21-Feb	21-Feb	8	36.83	35.41	35.31	35.55	-	-	-
22-Feb	22-Feb	8	-	36.91	35.31	36.59	-	-	-
23-Feb	23-Feb	8	36.00	35.64	35.72	36.33	-	35.00	-
24-Feb	24-Feb	8	36.00	37.05	35.28	36.51	-	-	-
25-Feb	25-Feb	8	36.25	ns	34.11	36.53	-	-	-
26-Feb	26-Feb	9	36.22	ns	35.82	37.96	-	35.55	-
27-Feb	27-Feb	9	34.57	38.57	34.88	38.17	-	-	-
28-Feb	28-Feb	9	35.46	40.68	35.27	39.16	-	-	-
29-Feb	x	9	x	40.67	x	x	x	40.40	x
01-Mar	01-Mar	9	35.29	40.86	35.33	39.38	-	34.83	-
02-Mar	02-Mar	9	35.21	ns	37.08	38.24	-	-	-
03-Mar	03-Mar	9	35.57	55	37.36	38.95	-	-	-
04-Mar	04-Mar	9	35.67	45.33	36.76	38.96	-	-	-
05-Mar	05-Mar	10	34.86	43.63	39.45	43.98	-	-	-
06-Mar	06-Mar	10	35.36	46.57	40.33	46.85	-	-	-
07-Mar	07-Mar	10	40.66	51.73	41.41	40.48	-	44.00	-
08-Mar	08-Mar	10	39.17	47.7	40.93	51.18	-	-	-
09-Mar	09-Mar	10	38.53	52.65	41.51	50.89	-	-	-
10-Mar	10-Mar	10	39.65	49.42	41.02	51.40	-	-	-
11-Mar	11-Mar	10	45.88	49.78	37.38	50.73	-	-	-
12-Mar	12-Mar	11	49.47	50.09	37.36	51.43	-	38.00	-
13-Mar	13-Mar	11	52.16	50.54	ns	54.59	-	-	-
14-Mar	14-Mar	11	52.91	54.27	40.59	55.56	-	44.00	-
15-Mar	15-Mar	11	58.60	56.07	42.29	50.41	-	-	-
16-Mar	16-Mar	11	52.27	58.56	48.84	52.25	-	51.00	-
17-Mar	17-Mar	11	49.73	56.05	ns	54.01	-	-	-

Caswell Data 1995 - 2001

96, 00	95, 97		2001	2000	1999	1998	1997	1996	1995
Leap Year	98, 99	Julian	Combined Mean						
Date	Date	Week	Length (mm)						
18-Mar	18-Mar	11	47.12	57.46	45.05	51.85	-	38.00	-
19-Mar	19-Mar	12	52.67	57.62	46	54.62	64.47	-	-
20-Mar	20-Mar	12	42.71	58.25	46.19	60.44	73.29	45.00	-
21-Mar	21-Mar	12	71.62	59.58	50.29	51.50	71.77	-	-
22-Mar	22-Mar	12	78.67	57.97	45.86	38.00	73.06	-	-
23-Mar	23-Mar	12	62.44	62.99	51.67	63.89	74.85	-	-
24-Mar	24-Mar	12	70.62	59.99	ns	63.98	73.98	-	-
25-Mar	25-Mar	12	65.19	63.9	52.43	66.83	73.53	-	-
26-Mar	26-Mar	13	66.88	63.76	51.82	60.71	76.37	77.50	-
27-Mar	27-Mar	13	64.77	67.71	53.57	65.09	77.05	76.50	-
28-Mar	28-Mar	13	64.19	66	55.71	68.32	77.18	80.43	-
29-Mar	29-Mar	13	63.72	67.11	52.96	65.71	73.43	81.70	-
30-Mar	30-Mar	13	65.31	67.44	57.8	67.30	81.78	74.00	-
31-Mar	31-Mar	13	64.58	66.78	57.64	68.24	79.73	74.80	-
01-Apr	01-Apr	13	67.29	68.39	63.5	67.00	76.27	88.00	-
02-Apr	02-Apr	14	66.94	70.36	61.7	72.02	80.18	90.00	-
03-Apr	03-Apr	14	68.12	69.51	64.15	66.97	82.26	84.00	-
04-Apr	04-Apr	14	66.43	71.24	64.29	67.67	78.50	82.94	-
05-Apr	05-Apr	14	68.49	70.47	62.54	67.04	79.19	82.78	-
06-Apr	06-Apr	14	66.31	69.03	64.97	61.30	81.02	87.50	-
07-Apr	07-Apr	14	65.92	66.67	60.22	66.54	83.18	76.92	-
08-Apr	08-Apr	14	66.35	69.99	66.45	67.35	83.54	81.00	-
09-Apr	09-Apr	15	68.38	71.72	65	65.95	80.76	86.17	-
10-Apr	10-Apr	15	66.46	72.58	65.14	66.36	80.42	80.75	-
11-Apr	11-Apr	15	68.61	70.52	66.43	70.02	83.84	85.00	-
12-Apr	12-Apr	15	68.36	68.17	73.58	71.92	83.37	82.56	-
13-Apr	13-Apr	15	68.83	69.84	74.67	74.04	82.86	80.50	-
14-Apr	14-Apr	15	69.02	66.34	73.84	82.40	82.78	-	-
15-Apr	15-Apr	15	69.26	66.77	69.49	83.08	81.32	85.50	-
16-Apr	16-Apr	16	71.08	66	70.21	78.23	84.22	97.50	-
17-Apr	17-Apr	16	71.43	65.94	74.39	78.38	84.68	91.33	-
18-Apr	18-Apr	16	71.98	72.32	75.58	73.88	83.63	84.67	-
19-Apr	19-Apr	16	70.39	75.69	74.43	78.97	80.86	86.20	-
20-Apr	20-Apr	16	73.54	71.83	74.39	74.43	85.02	89.00	-
21-Apr	21-Apr	16	72.52	68.77	77.15	78.38	83.36	89.77	-
22-Apr	22-Apr	16	67.33	66.05	73.14	84.93	85.39	91.08	-
23-Apr	23-Apr	17	73.04	69.78	77.92	79.36	86.80	89.65	-
24-Apr	24-Apr	17	71.60	71.6	80.02	81.92	85.00	89.66	-
25-Apr	25-Apr	17	72.33	74.12	78.22	81.68	84.54	92.23	-
26-Apr	26-Apr	17	75.07	72	77.71	80.07	85.16	91.19	-
27-Apr	27-Apr	17	70.87	75.78	76.53	79.68	84.53	90.97	-
28-Apr	28-Apr	17	74.24	73.2	76.72	84.12	90.00	91.68	-
29-Apr	29-Apr	17	73.22	74.62	78.69	80.19	85.57	91.89	93.9
30-Apr	30-Apr	18	74.82	73.02	76.74	83.70	87.56	91.02	87.1
01-May	01-May	18	75.13	74.68	78.98	82.00	93.00	91.21	88.9
02-May	02-May	18	73.40	74.86	81.8	81.98	86.60	93.40	91.6
03-May	03-May	18	77.51	73.42	77.85	82.71	86.33	92.88	-
04-May	04-May	18	77.30	74.76	80.93	88.72	88.71	90.47	90.1
05-May	05-May	18	74.29	79.13	81	84.84	86.26	93.48	89.8

Caswell Data 1995 - 2001

96, 00	95, 97		2001	2000	1999	1998	1997	1996	1995
Leap Year	98, 99	Julian	Combined Mean						
Date	Date	Week	Length (mm)						
06-May	06-May	18	76.08	78.82	78.29	84.83	91.00	90.80	93.1
07-May	07-May	19	76.95	78.25	78.53	83.67	90.53	92.10	-
08-May	08-May	19	76.47	79.33	79.31	-	88.52	91.91	91.6
09-May	09-May	19	78.26	83.07	79.78	-	87.65	91.36	94.9
10-May	10-May	19	78.84	79.91	80.02	86.43	86.13	90.57	-
11-May	11-May	19	77.08	79.37	83.05	87.35	89.33	91.84	94.8
12-May	12-May	19	81.00	81.66	81.48	86.04	86.04	91.08	92.3
13-May	13-May	19	78.72	81.42	78.83	89.84	88.14	-	94.3
14-May	14-May	20	81.62	82.32	81.53	88.35	89.61	92.95	98.2
15-May	15-May	20	79.54	80.17	80.92	86.46	90.89	98.20	96
16-May	16-May	20	79.49	82	80.74	86.21	90.73	91.21	93.4
17-May	17-May	20	81.55	84.2	81.78	84.03	89.20	93.70	101.4
18-May	18-May	20	78.81	84.13	82.99	87.32	89.78	95.79	98.4
19-May	19-May	20	79.27	85.29	83.16	85.33	89.36	99.50	98.9
20-May	20-May	20	83.21	83.68	82.83	87.00	88.95	95.00	99.3
21-May	21-May	21	82.78	84.68	82.74	87.08	88.43	95.45	99.6
22-May	22-May	21	82.20	82.79	83.88	87.19	91.07	94.12	96.8
23-May	23-May	21	83.88	87.73	84.54	86.68	-	95.89	98.8
24-May	24-May	21	82.00	86.64	82.85	87.75	93.58	94.61	101
25-May	25-May	21	78.50	87.59	83.38	85.72	90.45	95.10	99.5
26-May	26-May	21	78.32	86.95	85.01	86.70	88.58	95.02	101.6
27-May	27-May	21	80.64	ns	84.93	85.40	90.27	93.26	-
28-May	28-May	22	79.06	ns	86.31	88.73	90.17	94.57	-
29-May	29-May	22	82.20	ns	-	91.31	90.59	92.95	-
30-May	30-May	22	82.88	85	-	90.92	87.00	93.33	-
31-May	31-May	22	89.50	86	-	-	90.43	95.90	-
01-Jun	01-Jun	22	81.55	91.92	84.28	96.67	94	98.00	-
02-Jun	02-Jun	22	ns	87.64	87.07	89.07	89.45	97.27	-
03-Jun	03-Jun	22	ns	ns	86.64	89.00	89.29	92.00	-
04-Jun	04-Jun	23	83.00	ns	84.33	-	92	99.00	-
05-Jun	05-Jun	23	88.50	89.86	84.96	93.12	86.57	102.00	-
06-Jun	06-Jun	23	-	89	85	100.50	88.75	100.00	-
07-Jun	07-Jun	23	81.40	94.4	87.29	-	86	91.00	-
08-Jun	08-Jun	23	87.40	90	85.43	-	92.5	99.25	-
09-Jun	09-Jun	23	ns	94.67	88.94	93.68	90.17	93.00	-
10-Jun	10-Jun	23	ns	ns	89.17	96.00	93.67	-	-
11-Jun	11-Jun	24	84.00	ns	88.14	93.93	93.86	-	-
12-Jun	12-Jun	24	90.33	89.5	ns	93.50	88	87.00	-
13-Jun	13-Jun	24	-	89.67	ns	94.54	86.8	90.00	-
14-Jun	14-Jun	24	83.50	89	88	95.30	92.33	87.00	-
15-Jun	15-Jun	24	83.50	-	92	-	93.5	-	-
16-Jun	16-Jun	24	-	87	92.08	96.50	86.33	-	-
17-Jun	17-Jun	24	ns	-	91.86	105.00	88	89.00	-
18-Jun	18-Jun	25	ns	96	86.86	101.50	92	-	-
19-Jun	19-Jun	25	-	-	ns	-	94.5	-	-
20-Jun	20-Jun	25	-	-	ns	-	98	-	-
21-Jun	21-Jun	25	-	-	94	-	89.25	96.00	-
22-Jun	22-Jun	25	-	-	90.44	97.00	92	-	-
23-Jun	23-Jun	25	ns	95.5	93	92.00	94.5	111.00	-

Caswell Data 1995 - 2001

96, 00	95, 97		2001	2000	1999	1998	1997	1996	1995
Leap Year		Julian	Combined Mean						
Date	Date	Week	Length (mm)						
24-Jun	24-Jun	25	ns	ns	89.6	104.67	92	105.00	-
25-Jun	25-Jun	26	-	ns	93.4	-	-	-	-
26-Jun	26-Jun	26	-	-	ns	-	-	-	-
27-Jun	27-Jun	26	-	-	ns	-	-	94.00	-
28-Jun	28-Jun	26	-	-	96	-	-	-	-
29-Jun	29-Jun	26	-	-	103	112.00	-	-	-
30-Jun	30-Jun	26	-	-	92.75	109.00	-	109.00	-
01-Jul	01-Jul	26	-	-	-	-	-	101.00	-
02-Jul	02-Jul	27	-	-	-	-	-	-	-
03-Jul	03-Jul	27	-	-	-	100.00	-	-	-
04-Jul	04-Jul	27	-	-	-	-	-	-	-
05-Jul	05-Jul	27	-	-	-	-	-	-	-
06-Jul	06-Jul	27	-	-	-	-	-	-	-
07-Jul	07-Jul	27	-	-	-	-	-	-	-
08-Jul	08-Jul	27	-	-	-	-	-	-	-
09-Jul	09-Jul	28	-	-	-	-	-	-	-
10-Jul	10-Jul	28	-	-	-	-	-	-	-
11-Jul	11-Jul	28	-	-	-	-	-	-	-
12-Jul	12-Jul	28	-	-	-	-	-	-	-
13-Jul	13-Jul	28	-	-	-	-	-	-	-
14-Jul	14-Jul	28	-	-	-	-	-	-	-
15-Jul	15-Jul	28	-	-	-	-	-	-	-
16-Jul	16-Jul	29	-	-	-	-	-	-	-

Caswell Data 1995-2001

96, 00	95, 97		2001	2000	1999	1998	1997	1996
Leap	98, 99							
Year		Julian	Turbidity	Turbidity	Turbidity	Turbidity	Turbidity	Turbidity
Date	Date	Week	(NTU's)	(NTU's)	(NTU's)	(NTU's)	(NTU's)	(NTU's)
12-Dec	12-Dec	50	-	-	-	-	-	-
13-Dec	13-Dec	50	-	-	-	-	-	-
14-Dec	14-Dec	50	-	-	-	-	-	-
15-Dec	15-Dec	50	-	-	-	-	-	-
16-Dec	16-Dec	50	-	1.20	-	-	-	-
17-Dec	17-Dec	51	-	1.40	-	-	-	-
18-Dec	18-Dec	51	-	1.30	-	-	-	-
19-Dec	19-Dec	51	-	ns	-	-	-	-
20-Dec	20-Dec	51	-	1.50	-	-	-	-
21-Dec	21-Dec	51	-	1.40	-	-	-	-
22-Dec	22-Dec	51	0.00	1.50	-	-	-	-
23-Dec	23-Dec	51	0.00	1.30	-	-	-	-
24-Dec	24-Dec	52	ns	ns	-	-	-	-
25-Dec	25-Dec	52	ns	ns	-	-	-	-
26-Dec	26-Dec	52	2.80	ns	-	-	-	-
27-Dec	27-Dec	52	0.00	ns	-	-	-	-
28-Dec	28-Dec	52	0.15	1.40	-	-	-	-
29-Dec	29-Dec	52	0.20	1.60	-	-	-	-
30-Dec	30-Dec	52	0.00	1.30	-	-	-	-
31-Dec	31-Dec	52	ns	1.40	-	-	-	-
01-Jan	01-Jan	1	ns	ns	-	-	-	-
02-Jan	02-Jan	1	0.15	ns	-	-	-	-
03-Jan	03-Jan	1	0.00	0.90	-	-	-	-
04-Jan	04-Jan	1	0.05	1.10	-	-	-	-
05-Jan	05-Jan	1	1.20	0.70	-	-	-	-
06-Jan	06-Jan	1	0.00	0.80	-	-	-	-
07-Jan	07-Jan	1	0.00	0.50	-	-	-	-
08-Jan	08-Jan	2	1.60	nd	-	7.2	-	-
09-Jan	09-Jan	2	1.30	1.30	-	4.8	-	-
10-Jan	10-Jan	2	3.10	nd	-	-	-	-
11-Jan	11-Jan	2	3.20	1.20	-	26.4	-	-
12-Jan	12-Jan	2	22.00	0.90	-	21.4	-	-
13-Jan	13-Jan	2	4.60	1.50	-	-	-	-
14-Jan	14-Jan	2	3.30	2.50	-	-	-	-
15-Jan	15-Jan	3	3.00	3.00	-	-	-	-
16-Jan	16-Jan	3	4.20	2.10	-	-	-	-
17-Jan	17-Jan	3	1.30	3.30	-	-	-	-
18-Jan	18-Jan	3	0.65	2.50	6.8	-	-	-
19-Jan	19-Jan	3	0.55	2.70	8.9	-	-	-
20-Jan	20-Jan	3	0.00	2.90	16.4	-	-	-
21-Jan	21-Jan	3	ns	2.90	25.5	-	-	-
22-Jan	22-Jan	4	ns	1.40	12	-	-	-
23-Jan	23-Jan	4	0.10	2.40	5.4	-	-	-
24-Jan	24-Jan	4	0.00	6.30	9.6	-	-	-
25-Jan	25-Jan	4	0.10	7.00	6.4	-	-	-
26-Jan	26-Jan	4	3.10	22.40	6.3	-	-	-
27-Jan	27-Jan	4	6.00	11.70	7.5	-	-	-
28-Jan	28-Jan	4	5.90	15.70	3.3	-	-	-

Caswell Data 1995-2001

96, 00	95, 97		2001	2000	1999	1998	1997	1996
Leap	98, 99							
Year		Julian	Turbidity	Turbidity	Turbidity	Turbidity	Turbidity	Turbidity
Date	Date	Week	(NTU's)	(NTU's)	(NTU's)	(NTU's)	(NTU's)	(NTU's)
29-Jan	29-Jan	5	2.40	9.40	7.1	11.5	-	-
30-Jan	30-Jan	5	2.10	6.70	5.4	11.6	-	-
31-Jan	31-Jan	5	0.75	15.00	2.1	-	-	-
01-Feb	01-Feb	5	2.40	4.10	7.4	-	-	-
02-Feb	02-Feb	5	3.50	4.50	4.5	13.7	-	-
03-Feb	03-Feb	5	0.40	3.10	4.0	20.3	-	-
04-Feb	04-Feb	5	0.10	2.90	5.8	-	-	-
05-Feb	05-Feb	6	0.25	1.80	4.8	-	-	-
06-Feb	06-Feb	6	1.40	4.00	6.2	-	-	-
07-Feb	07-Feb	6	1.70	3.30	4.3	-	-	-
08-Feb	08-Feb	6	0.70	2.80	5.9	44.1	-	3.7
09-Feb	09-Feb	6	0.80	5.40	10.7	-	-	7.6
10-Feb	10-Feb	6	nd	3.40	23.4	-	-	10.8
11-Feb	11-Feb	6	nd	3.10	16.5	-	-	14.0
12-Feb	12-Feb	7	1.10	8.90	8.0	-	-	12.0
13-Feb	13-Feb	7	3.80	37.70	6.5	16.6	-	13.5
14-Feb	14-Feb	7	4.30	34.70	11.5	14.7	-	14.8
15-Feb	15-Feb	7	3.30	23.20	2.1	12.1	-	14.7
16-Feb	16-Feb	7	1.80	14.30	6.8	9.2	-	15.7
17-Feb	17-Feb	7	1.20	9.30	7.2	10	-	11.7
18-Feb	18-Feb	7	0.50	5.30	5.4	-	-	9.4
19-Feb	19-Feb	8	0.00	3.30	5.7	11.6	-	6.0
20-Feb	20-Feb	8	0.20	5.90	10.6	16.5	-	10.5
21-Feb	21-Feb	8	1.80	4.30	7.9	18.9	-	-
22-Feb	22-Feb	8	2.90	11.30	5.8	10.4	-	-
23-Feb	23-Feb	8	3.90	10.30	3.4	14.7	-	6.1
24-Feb	24-Feb	8	4.10	19.00	4.4	10.1	-	13.8
25-Feb	25-Feb	8	4.90	8.70	3.3	9.5	-	13.6
26-Feb	26-Feb	9	21.00	ns	5.0	-	-	12.4
27-Feb	27-Feb	9	5.40	5.50	2.9	7	-	12.1
28-Feb	28-Feb	9	5.50	10.70	3.0	7.3	-	10.8
29-Feb	x	9	x	11.20	x	x	x	9.9
01-Mar	01-Mar	9	3.40	6.70	4.0	8.8	-	7.8
02-Mar	02-Mar	9	3.80	6.70	4.7	7	-	8.1
03-Mar	03-Mar	9	2.70	3.30	7.7	8.1	-	-
04-Mar	04-Mar	9	5.90	6.70	6.0	8.3	-	-
05-Mar	05-Mar	10	8.40	7.80	4.1	9.5	-	-
06-Mar	06-Mar	10	45.00	9.20	3.8	10.6	-	1.6
07-Mar	07-Mar	10	28.00	7.30	3.3	-	-	5.9
08-Mar	08-Mar	10	3.50	5.30	5.0	8.3	-	9.0
09-Mar	09-Mar	10	8.50	6.10	5.7	7	-	4.5
10-Mar	10-Mar	10	4.50	4.82	5.1	-	-	5.7
11-Mar	11-Mar	10	4.30	3.60	3.6	7.5	-	7.0
12-Mar	12-Mar	11	3.70	3.28	4.4	7	-	5.1
13-Mar	13-Mar	11	4.30	2.25	2.3	7.3	-	10.5
14-Mar	14-Mar	11	1.70	2.25	4.1	8.1	-	8.0
15-Mar	15-Mar	11	2.70	3.24	4.0	7.4	-	5.4
16-Mar	16-Mar	11	3.80	4.00	3.7	7.5	-	5.6

Caswell Data 1995-2001

96, 00	95, 97		2001	2000	1999	1998	1997	1996
Leap	98, 99							
Year		Julian	Turbidity	Turbidity	Turbidity	Turbidity	Turbidity	Turbidity
Date	Date	Week	(NTU's)	(NTU's)	(NTU's)	(NTU's)	(NTU's)	(NTU's)
17-Mar	17-Mar	11	0.60	5.05	nd	7.2	-	6.0
18-Mar	18-Mar	11	1.80	4.72	4.6	-	-	5.6
19-Mar	19-Mar	12	2.90	3.66	4.2	-	11.8	7.6
20-Mar	20-Mar	12	7.70	nd	4.8	6.6	10.4	6.5
21-Mar	21-Mar	12	9.40	1.11	4.1	7.4	12.8	5.8
22-Mar	22-Mar	12	10.00	4.58	4.4	8.5	11.1	5.5
23-Mar	23-Mar	12	nd	4.04	4.3	7.2	10.8	7.3
24-Mar	24-Mar	12	nd	3.40	ns	17.1	10.6	5.7
25-Mar	25-Mar	12	9.40	3.80	4.2	7.2	10.2	4.5
26-Mar	26-Mar	13	7.80	7.80	4.8	8	12.1	6.0
27-Mar	27-Mar	13	6.90	5.12	3.7	7.8	14	5.1
28-Mar	28-Mar	13	9.00	4.16	4.5	28.4	13.4	5.7
29-Mar	29-Mar	13	8.70	6.07	4.5	15.4	10.7	5.3
30-Mar	30-Mar	13	9.40	4.20	5.2	7.3	8.7	8.0
31-Mar	31-Mar	13	5.80	6.71	4.0	7.4	10.1	7.7
01-Apr	01-Apr	13	6.80	nd	3.6	6.8	10.8	7.4
02-Apr	02-Apr	14	11.00	3.09	3.2	9.5	-	6.5
03-Apr	03-Apr	14	4.00	6.18	2.1	8.4	10.2	3.0
04-Apr	04-Apr	14	4.80	7.20	2.2	12.9	9.4	6.5
05-Apr	05-Apr	14	nd	7.95	4.4	6.7	8.7	6.0
06-Apr	06-Apr	14	7.20	5.41	3.6	8.3	9.3	6.2
07-Apr	07-Apr	14	8.00	6.05	3.5	-	6.3	5.9
08-Apr	08-Apr	14	5.90	3.43	3.8	6.3	7.8	5.1
09-Apr	09-Apr	15	4.50	2.31	4.4	7.9	8.4	4.2
10-Apr	10-Apr	15	5.10	4.67	3.1	-	8.8	6.5
11-Apr	11-Apr	15	6.00	6.61	3.2	6.5	8.4	4.2
12-Apr	12-Apr	15	0.65	6.81	nd	-	7.8	4.6
13-Apr	13-Apr	15	nd	4.97	nd	5.8	10.3	9.9
14-Apr	14-Apr	15	2.80	4.78	nd	8.1	12.5	5.2
15-Apr	15-Apr	15	2.60	4.59	1.7	6.3	12.5	9.7
16-Apr	16-Apr	16	2.00	6.77	3.3	4.1	11.2	5.7
17-Apr	17-Apr	16	3.30	6.20	3.8	6.5	11.3	9.3
18-Apr	18-Apr	16	5.20	4.80	4.6	-	12	7.2
19-Apr	19-Apr	16	4.60	6.71	5.3	-	13.9	6.3
20-Apr	20-Apr	16	7.80	2.30	4.2	5.9	13.4	5.2
21-Apr	21-Apr	16	3.10	4.89	4.3	6.6	12.4	5.6
22-Apr	22-Apr	16	5.10	3.88	4.0	6.5	11.4	4.7
23-Apr	23-Apr	17	4.20	1.87	3.7	6	11	6.0
24-Apr	24-Apr	17	3.10	3.09	5.7	6.9	10.5	6.4
25-Apr	25-Apr	17	1.70	4.61	3.0	7.9	10	7.8
26-Apr	26-Apr	17	4.00	3.74	5.0	-	10.3	5.7
27-Apr	27-Apr	17	1.50	4.64	3.4	7.3	10.1	5.1
28-Apr	28-Apr	17	2.10	3.90	3.8	6.5	9.9	5.9
29-Apr	29-Apr	17	1.70	2.91	4.2	7.5	9.2	6.9
30-Apr	30-Apr	18	3.20	4.90	5.0	4.5	8.9	9.1
01-May	01-May	18	2.20	4.03	4.6	8.1	9.4	9.4
02-May	02-May	18	3.40	2.70	3.1	-	9.7	-
03-May	03-May	18	3.80	5.40	2.3	-	9.5	10.2

Caswell Data 1995-2001

96, 00	95, 97		2001	2000	1999	1998	1997	1996
Leap	98, 99							
Year		Julian	Turbidity	Turbidity	Turbidity	Turbidity	Turbidity	Turbidity
Date	Date	Week	(NTU's)	(NTU's)	(NTU's)	(NTU's)	(NTU's)	(NTU's)
04-May	04-May	18	1.50	4.26	4.0	10	9.3	9.8
05-May	05-May	18	3.50	5.39	4.2	7.6	9.4	9.9
06-May	06-May	18	2.60	4.33	nd	9.3	8.9	9.2
07-May	07-May	19	3.90	4.00	nd	10.2	9	8.4
08-May	08-May	19	1.20	3.52	3.5	7.7	9.2	9.2
09-May	09-May	19	2.50	5.18	4.6	-	8.8	9.0
10-May	10-May	19	2.10	3.42	4.4	-	9.1	8.8
11-May	11-May	19	4.60	2.86	4.9	6	8.9	8.7
12-May	12-May	19	3.60	4.33	3	8.4	8.8	9.0
13-May	13-May	19	3.20	2.80	6	-	8.6	8.8
14-May	14-May	20	2.20	3.89	6	7.2	8.7	6.8
15-May	15-May	20	1.20	8.94	2.3	-	9	7.1
16-May	16-May	20	1.20	2.90	5	6.3	9.4	6.9
17-May	17-May	20	2.20	4.40	5	2.1	9.3	7.3
18-May	18-May	20	4.40	2.70	5.8	7.4	8.9	7.1
19-May	19-May	20	3.70	3.80	5	4.9	9.1	6.1
20-May	20-May	20	1.80	4.80	4.7	5.4	9.2	6.2
21-May	21-May	21	3.70	3.40	5	5.4	9	5.8
22-May	22-May	21	1.60	3.80	4	9.1	8.9	5.4
23-May	23-May	21	2.00	4.80	4.1	-	8.6	6.4
24-May	24-May	21	3.90	3.40	nd	7.7	9.1	7.9
25-May	25-May	21	4.80	nd	4.3	7.2	9.3	9.8
26-May	26-May	21	4.90	2.00		-	9.4	8.9
27-May	27-May	21	3.00	ns	5.5	5.5	9.7	6.8
28-May	28-May	22	5.20	ns	5.6	-	9.6	6.6
29-May	29-May	22	3.40	ns	ns	6	9.8	7.4
30-May	30-May	22	1.60	3.80	ns	-	9.5	8.3
31-May	31-May	22	2.70	nd	ns	-	9.4	7.9
01-Jun	01-Jun	22	4.60	0.90	5.8	6.4	9.5	8.6
02-Jun	02-Jun	22	ns	5.60	6.4	6.7	9.3	9.8
03-Jun	03-Jun	22	ns	ns	6.3	6.7	9.7	7.7
04-Jun	04-Jun	23	4.20	ns	4.5	-	10.2	6.8
05-Jun	05-Jun	23	6.10	1.80	1.4	-	10.5	6.6
06-Jun	06-Jun	23	3.70	2.90	5.4	7.3	10.3	8.3
07-Jun	07-Jun	23	1.90	4.50	4.4	7.3	11.1	7.4
08-Jun	08-Jun	23	2.00	2.90	4.8	-	11.5	7.9
09-Jun	09-Jun	23	ns	3.60	5.1	6.4	12.6	8.6
10-Jun	10-Jun	23	ns	ns	2.0	-	12.9	-
11-Jun	11-Jun	24	4.50	ns	5.2	9.3	12.5	-
12-Jun	12-Jun	24	5.40	3.50	-	-	12.6	-
13-Jun	13-Jun	24	4.70	3.60	-	-	12.3	-
14-Jun	14-Jun	24	4.30	3.60	5.1	-	11.9	-
15-Jun	15-Jun	24	0.80	4.40	5.2	10.2	12.1	9.7
16-Jun	16-Jun	24	ns	5.30	4.0	-	nd	8.8
17-Jun	17-Jun	24	ns	3.30	4.4	15.2	10.2	8.3
18-Jun	18-Jun	25	4.30	6.70	7.3	-	10.7	7.5
19-Jun	19-Jun	25	4.30	8.70	ns	-	11	4.9
20-Jun	20-Jun	25	5.50	4.10	ns	-	10.6	5.3

Caswell Data 1995-2001

96, 00	95, 97		2001	2000	1999	1998	1997	1996
Leap	98, 99							
Year		Julian	Turbidity	Turbidity	Turbidity	Turbidity	Turbidity	Turbidity
Date	Date	Week	(NTU's)	(NTU's)	(NTU's)	(NTU's)	(NTU's)	(NTU's)
21-Jun	21-Jun	25	5.80	4.70	5.0	-	10.5	6.7
22-Jun	22-Jun	25	2.40	3.10	4.6	-	9.8	6.0
23-Jun	23-Jun	25	ns	6.10	3.4	-	10.1	5.6
24-Jun	24-Jun	25	ns	ns	4.8	4.4	9.6	5.7
25-Jun	25-Jun	26	4.90	ns	4.0	4.1	10.3	5.3
26-Jun	26-Jun	26	2.70	6.80	ns	-	10.7	5.0
27-Jun	27-Jun	26	12.00	3.00	ns	-	11.4	4.8
28-Jun	28-Jun	26	0.15	4.40	5.9	-	-	5.4
29-Jun	29-Jun	26	-	5.50	4.6	-	-	5.6
30-Jun	30-Jun	26	-	4.60	4.6	-	-	6.4
01-Jul	01-Jul	26	-	-	-	-	-	6.7
02-Jul	02-Jul	27	-	-	-	-	-	-
03-Jul	03-Jul	27	-	-	-	-	-	-
04-Jul	04-Jul	27	-	-	-	-	-	-
05-Jul	05-Jul	27	-	-	-	-	-	-
06-Jul	06-Jul	27	-	-	-	-	-	-
07-Jul	07-Jul	27	-	-	-	-	-	-
08-Jul	08-Jul	27	-	-	-	-	-	-
09-Jul	09-Jul	28	-	-	-	5.3	-	-
10-Jul	10-Jul	28	-	-	-	4.2	-	-
11-Jul	11-Jul	28	-	-	-	-	-	-
12-Jul	12-Jul	28	-	-	-	-	-	-
13-Jul	13-Jul	28	-	-	-	5.2	-	-
14-Jul	14-Jul	28	-	-	-	-	-	-
15-Jul	15-Jul	28	-	-	-	4.8	-	-
16-Jul	16-Jul	29	-	-	-	4.6	-	-

Caswell Data 1995-2001

96, 00	95, 97		2001	2000	1999	1998	1997	1996
Leap	98, 99		Average	Average	Average	Average	Average	Average
Year		Julian	Daily	Daily	Daily	Daily	Daily	Daily
Date	Date	Week	Smolt Index					
12-Dec	12-Dec	50	-	-	-	-	-	-
13-Dec	13-Dec	50	-	-	-	-	-	-
14-Dec	14-Dec	50	-	-	-	-	-	-
15-Dec	15-Dec	50	-	-	-	-	-	-
16-Dec	16-Dec	50	-	-	-	-	-	-
17-Dec	17-Dec	51	-	-	-	-	-	-
18-Dec	18-Dec	51	-	-	-	-	-	-
19-Dec	19-Dec	51	-	ns	-	-	-	-
20-Dec	20-Dec	51	-	-	-	-	-	-
21-Dec	21-Dec	51	-	-	-	-	-	-
22-Dec	22-Dec	51	1.00	-	-	-	-	-
23-Dec	23-Dec	51	-	-	-	-	-	-
24-Dec	24-Dec	52	ns	ns	-	-	-	-
25-Dec	25-Dec	52	ns	ns	-	-	-	-
26-Dec	26-Dec	52	-	ns	-	-	-	-
27-Dec	27-Dec	52	1.00	ns	-	-	-	-
28-Dec	28-Dec	52	-	-	-	-	-	-
29-Dec	29-Dec	52	1.00	-	-	-	-	-
30-Dec	30-Dec	52	1.00	-	-	-	-	-
31-Dec	31-Dec	52	ns	-	-	-	-	-
01-Jan	01-Jan	1	ns	ns	-	-	-	-
02-Jan	02-Jan	1	-	ns	-	-	-	-
03-Jan	03-Jan	1	-	-	-	-	-	-
04-Jan	04-Jan	1	-	-	-	-	-	-
05-Jan	05-Jan	1	-	-	-	-	-	-
06-Jan	06-Jan	1	1.00	-	-	-	-	-
07-Jan	07-Jan	1	-	1.00	-	-	-	-
08-Jan	08-Jan	2	1.00	1.00	-	1.00	-	-
09-Jan	09-Jan	2	-	1.00	-	-	-	-
10-Jan	10-Jan	2	1.00	-	-	-	-	-
11-Jan	11-Jan	2	-	-	-	-	-	-
12-Jan	12-Jan	2	-	-	-	-	1.00	-
13-Jan	13-Jan	2	1.00	-	-	-	-	-
14-Jan	14-Jan	2	-	-	-	-	-	-
15-Jan	15-Jan	3	1.00	1.00	-	-	-	-
16-Jan	16-Jan	3	1.00	-	-	-	-	-
17-Jan	17-Jan	3	-	-	-	-	-	-
18-Jan	18-Jan	3	-	-	1.00	-	-	-
19-Jan	19-Jan	3	1.00	-	1.00	-	-	-
20-Jan	20-Jan	3	-	-	1.00	-	-	-
21-Jan	21-Jan	3	ns	-	1.00	-	-	-
22-Jan	22-Jan	4	ns	-	1.00	-	-	-
23-Jan	23-Jan	4	-	-	1.00	-	-	-
24-Jan	24-Jan	4	-	1.00	1.00	-	-	-
25-Jan	25-Jan	4	-	1.00	1.00	-	-	-
26-Jan	26-Jan	4	-	1.00	1.00	-	-	-
27-Jan	27-Jan	4	-	1.00	1.00	-	-	-
28-Jan	28-Jan	4	1.00	1.00	1.00	-	-	-

Caswell Data 1995-2001

96, 00	95, 97		2001	2000	1999	1998	1997	1996
Leap	98, 99		Average	Average	Average	Average	Average	Average
Year		Julian	Daily	Daily	Daily	Daily	Daily	Daily
Date	Date	Week	Smolt Index					
29-Jan	29-Jan	5	1.00	1.01	1.00	1.00	-	-
30-Jan	30-Jan	5	-	1.00	1.00	1.00	-	-
31-Jan	31-Jan	5	1.00	1.00	1.00	1.00	-	-
01-Feb	01-Feb	5	-	1.00	1.00	-	-	-
02-Feb	02-Feb	5	1.00	1.04	1.00	1.00	-	-
03-Feb	03-Feb	5	-	1.00	1.00	1.00	-	-
04-Feb	04-Feb	5	1.00	1.03	1.00	-	-	-
05-Feb	05-Feb	6	1.00	1.00	1.01	-	-	-
06-Feb	06-Feb	6	1.00	1.00	1.00	-	-	1.00
07-Feb	07-Feb	6	-	1.00	1.00	-	-	-
08-Feb	08-Feb	6	1.00	1.13	1.00	1.00	-	1.00
09-Feb	09-Feb	6	-	1.00	1.00	-	-	-
10-Feb	10-Feb	6	-	1.00	1.00	-	-	-
11-Feb	11-Feb	6	-	1.00	1.00	-	-	-
12-Feb	12-Feb	7	-	1.00	1.00	-	-	1.00
13-Feb	13-Feb	7	1.00	1.00	1.00	1.00	-	-
14-Feb	14-Feb	7	1.00	1.00	1.00	1.00	-	-
15-Feb	15-Feb	7	1.00	1.00	1.00	1.00	-	1.00
16-Feb	16-Feb	7	1.00	1.00	1.00	1.00	-	-
17-Feb	17-Feb	7	1.00	1.01	1.00	1.00	-	-
18-Feb	18-Feb	7	1.00	1.00	1.00	1.00	-	-
19-Feb	19-Feb	8	1.00	1.00	1.00	1.02	-	1.00
20-Feb	20-Feb	8	1.00	1.00	1.00	1.01	-	1.00
21-Feb	21-Feb	8	1.00	1.00	1.00	1.00	-	-
22-Feb	22-Feb	8	-	1.00	1.01	1.00	-	-
23-Feb	23-Feb	8	1.00	1.00	1.00	1.00	-	1.00
24-Feb	24-Feb	8	1.00	1.03	1.00	1.03	-	-
25-Feb	25-Feb	8	1.00	ns	1.00	1.00	-	-
26-Feb	26-Feb	9	1.00	ns	1.00	1.00	-	1.00
27-Feb	27-Feb	9	1.00	1.02	1.00	1.01	-	-
28-Feb	28-Feb	9	1.00	1.06	1.00	1.01	-	-
29-Feb	x	9	x	1.01	x	x	x	1.20
01-Mar	01-Mar	9	1.00	1.08	1.01	1.00	-	1.00
02-Mar	02-Mar	9	1.00	-	1.01	1.03	-	-
03-Mar	03-Mar	9	1.00	1.00	1.05	1.07	-	-
04-Mar	04-Mar	9	1.00	1.11	1.03	1.00	-	-
05-Mar	05-Mar	10	1.00	1.12	1.02	1.08	-	-
06-Mar	06-Mar	10	1.10	1.16	1.01	1.17	-	-
07-Mar	07-Mar	10	1.04	1.45	1.04	1.00	-	1.00
08-Mar	08-Mar	10	1.01	1.26	1.11	1.00	-	-
09-Mar	09-Mar	10	1.00	1.48	1.09	1.11	-	-
10-Mar	10-Mar	10	1.00	1.25	1.03	1.12	-	-
11-Mar	11-Mar	10	1.26	1.22	1.00	1.14	-	-
12-Mar	12-Mar	11	1.28	1.34	1.03	1.20	-	1.00
13-Mar	13-Mar	11	1.28	1.30	nd	1.37	-	-
14-Mar	14-Mar	11	1.71	1.51	1.10	1.21	-	-
15-Mar	15-Mar	11	1.67	1.48	1.08	1.08	-	-
16-Mar	16-Mar	11	1.55	1.65	1.04	1.10	-	-

Caswell Data 1995-2001

96, 00	95, 97		2001	2000	1999	1998	1997	1996
Leap	98, 99		Average	Average	Average	Average	Average	Average
Year		Julian	Daily	Daily	Daily	Daily	Daily	Daily
Date	Date	Week	Smolt Index					
17-Mar	17-Mar	11	1.25	1.55	nd	1.13	-	-
18-Mar	18-Mar	11	1.22	1.60	1.05	1.05	-	1.00
19-Mar	19-Mar	12	1.43	1.55	1.22	1.24	1.73	-
20-Mar	20-Mar	12	1.29	1.71	1.11	1.56	2.06	1.00
21-Mar	21-Mar	12	1.88	1.83	1.17	1.00	1.97	-
22-Mar	22-Mar	12	2.00	1.72	1.05	1.00	2.00	-
23-Mar	23-Mar	12	1.67	1.70	1.39	1.68	1.96	-
24-Mar	24-Mar	12	1.88	1.58	nd	1.48	2.02	-
25-Mar	25-Mar	12	1.91	1.77	1.43	1.83	2.03	-
26-Mar	26-Mar	13	2.00	1.79	1.26	1.20	2.07	2.00
27-Mar	27-Mar	13	1.91	1.97	1.56	1.57	2.09	2.00
28-Mar	28-Mar	13	1.98	1.78	1.73	1.51	2.00	2.00
29-Mar	29-Mar	13	2.00	1.93	1.52	1.79	2.00	2.10
30-Mar	30-Mar	13	2.00	1.97	1.50	1.45	2.04	2.00
31-Mar	31-Mar	13	2.00	1.87	1.36	1.48	2.07	2.00
01-Apr	01-Apr	13	1.99	1.94	1.59	1.91	1.98	2.00
02-Apr	02-Apr	14	1.99	1.97	1.75	1.82	2.09	2.00
03-Apr	03-Apr	14	1.99	1.91	1.83	1.98	2.07	2.38
04-Apr	04-Apr	14	1.98	1.92	1.76	2.00	2.07	2.19
05-Apr	05-Apr	14	2.00	2.00	1.54	1.52	2.06	2.00
06-Apr	06-Apr	14	2.00	1.99	1.69	1.97	2.10	2.36
07-Apr	07-Apr	14	2.00	1.87	1.48	1.94	2.03	2.00
08-Apr	08-Apr	14	2.00	1.98	1.55	1.82	2.04	2.00
09-Apr	09-Apr	15	2.00	1.93	1.67	1.95	2.07	2.50
10-Apr	10-Apr	15	2.00	1.98	1.76	1.93	2.05	2.25
11-Apr	11-Apr	15	2.00	1.96	2.00	1.89	2.03	2.50
12-Apr	12-Apr	15	2.00	1.99	1.94	1.88	2.06	2.56
13-Apr	13-Apr	15	2.00	1.98	2.11	1.96	2.07	2.00
14-Apr	14-Apr	15	2.00	1.95	2.00	2.00	2.09	-
15-Apr	15-Apr	15	1.99	1.98	2.00	1.95	2.03	2.40
16-Apr	16-Apr	16	2.00	1.98	1.96	1.85	2.00	3.00
17-Apr	17-Apr	16	2.00	1.99	2.00	2.00	2.18	2.67
18-Apr	18-Apr	16	2.00	1.99	1.96	1.75	2.09	2.17
19-Apr	19-Apr	16	2.00	2.01	2.00	1.99	2.00	2.33
20-Apr	20-Apr	16	2.00	2.00	2.03	1.96	2.06	3.00
21-Apr	21-Apr	16	2.00	2.00	2.00	2.00	2.07	2.18
22-Apr	22-Apr	16	2.00	2.00	1.96	2.04	2.21	2.47
23-Apr	23-Apr	17	2.00	2.01	2.00	2.03	2.30	2.00
24-Apr	24-Apr	17	2.00	2.06	2.02	1.96	2.00	2.38
25-Apr	25-Apr	17	1.99	2.00	2.05	2.00	2.08	2.36
26-Apr	26-Apr	17	2.00	2.03	2.00	1.95	2.13	2.15
27-Apr	27-Apr	17	2.00	2.03	2.00	2.00	2.13	2.27
28-Apr	28-Apr	17	2.00	2.00	2.00	1.97	2.25	2.57
29-Apr	29-Apr	17	2.00	2.00	2.00	2.02	2.29	2.52
30-Apr	30-Apr	18	2.00	2.00	2.03	2.06	2.19	2.17
01-May	01-May	18	2.01	2.00	2.00	2.03	2.33	2.50
02-May	02-May	18	2.00	2.00	2.08	2.02	2.13	-
03-May	03-May	18	2.00	2.00	2.00	2.00	2.19	2.70

Caswell Data 1995-2001

96, 00	95, 97		2001	2000	1999	1998	1997	1996
Leap	98, 99		Average	Average	Average	Average	Average	Average
Year		Julian	Daily	Daily	Daily	Daily	Daily	Daily
Date	Date	Week	Smolt Index					
04-May	04-May	18	2.00	2.00	2.13	2.03	2.29	2.00
05-May	05-May	18	2.00	2.02	2.56	2.02	2.26	2.72
06-May	06-May	18	1.99	2.00	2.00	2.00	2.33	2.13
07-May	07-May	19	2.00	2.00	2.29	2.00	2.53	2.56
08-May	08-May	19	2.00	2.00	2.00	-	2.34	2.77
09-May	09-May	19	2.00	2.05	2.01	-	2.35	2.09
10-May	10-May	19	2.00	2.03	2.00	2.03	2.26	2.52
11-May	11-May	19	2.00	2.00	2.00	2.02	2.33	2.24
12-May	12-May	19	2.00	2.06	2.02	2.00	2.29	2.75
13-May	13-May	19	2.00	2.02	2.00	2.00	2.37	2.50
14-May	14-May	20	2.01	2.02	2.00	2.08	2.55	2.17
15-May	15-May	20	2.00	2.06	2.00	2.00	2.53	2.20
16-May	16-May	20	2.01	2.04	2.10	2.00	2.62	2.18
17-May	17-May	20	2.00	2.16	2.00	2.00	2.00	2.20
18-May	18-May	20	2.00	2.06	2.00	2.00	2.34	3.00
19-May	19-May	20	2.00	2.01	2.16	2.04	2.57	3.00
20-May	20-May	20	2.00	2.01	2.05	2.00	2.39	2.21
21-May	21-May	21	2.00	2.05	2.09	2.05	2.65	2.29
22-May	22-May	21	2.00	2.00	2.02	2.03	2.57	2.13
23-May	23-May	21	2.91	2.13	2.37	2.00	2.83	2.13
24-May	24-May	21	2.00	2.09	2.00	2.06	2.52	3.00
25-May	25-May	21	2.63	2.10	2.00	2.00	2.44	2.05
26-May	26-May	21	2.00	2.09	2.04	2.34	2.64	2.98
27-May	27-May	21	2.00	ns	2.00	2.20	2.50	-
28-May	28-May	22	2.00	ns	2.35	2.05	2.49	2.00
29-May	29-May	22	2.00	ns	nd	2.04	2.50	2.18
30-May	30-May	22	2.00	2.27	nd	2.03	2.43	2.33
31-May	31-May	22	2.00	2.00	nd	-	2.33	3.00
01-Jun	01-Jun	22	2.08	3.00	2.00	2.33	2.45	3.00
02-Jun	02-Jun	22	ns	2.14	2.04	2.02	2.71	3.00
03-Jun	03-Jun	22	ns	ns	2.03	2.03	3.00	3.00
04-Jun	04-Jun	23	2.00	ns	2.07	-	2.86	2.00
05-Jun	05-Jun	23	2.00	2.29	2.04	2.27	3.00	2.50
06-Jun	06-Jun	23	-	2.00	2.00	2.50	2.33	2.67
07-Jun	07-Jun	23	2.00	2.60	2.03	-	2.50	3.00
08-Jun	08-Jun	23	2.00	2.25	2.00	-	2.33	3.00
09-Jun	09-Jun	23	ns	2.44	2.06	2.27	3.00	2.00
10-Jun	10-Jun	23	ns	ns	2.17	2.00	2.86	-
11-Jun	11-Jun	24	2.00	ns	2.14	3.00	2.50	-
12-Jun	12-Jun	24	3.00	3.00	nd	2.25	2.60	2.00
13-Jun	13-Jun	24	-	2.33	nd	2.17	2.67	-
14-Jun	14-Jun	24	2.00	3.00	3.00	2.00	2.50	2.50
15-Jun	15-Jun	24	2.00	-	3.00	-	2.50	-
16-Jun	16-Jun	24	-	2.00	2.09	2.83	2.00	-
17-Jun	17-Jun	24	ns	-	2.79	3.00	3.00	2.00
18-Jun	18-Jun	25	ns	3.00	2.43	3.00	3.00	-
19-Jun	19-Jun	25	-	-	ns	-	3.00	-
20-Jun	20-Jun	25	-	-	ns	-	2.25	-

Caswell Data 1995-2001

96, 00	95, 97		2001	2000	1999	1998	1997	1996
Leap	98, 99		Average	Average	Average	Average	Average	Average
Year		Julian	Daily	Daily	Daily	Daily	Daily	Daily
Date	Date	Week	Smolt Index					
21-Jun	21-Jun	25	-	-	2.50	-	2.75	2.00
22-Jun	22-Jun	25	-	-	2.00	3.00	3.00	-
23-Jun	23-Jun	25	ns	3.00	2.50	3.00	3.00	3.00
24-Jun	24-Jun	25	ns	ns	2.40	3.00	-	-
25-Jun	25-Jun	26	-	ns	2.80	-	-	-
26-Jun	26-Jun	26	-	-	-	-	-	-
27-Jun	27-Jun	26	-	-	-	-	-	3.00
28-Jun	28-Jun	26	-	-	3.00	-	-	-
29-Jun	29-Jun	26	-	-	3.00	3.00	-	-
30-Jun	30-Jun	26	-	-	2.50	3.00	-	3.00
01-Jul	01-Jul	26	-	-	-	-	-	3.00
02-Jul	02-Jul	27	-	-	-	-	-	-
03-Jul	03-Jul	27	-	-	-	3.00	-	-
04-Jul	04-Jul	27	-	-	-	-	-	-
05-Jul	05-Jul	27	-	-	-	-	-	-
06-Jul	06-Jul	27	-	-	-	-	-	-
07-Jul	07-Jul	27	-	-	-	-	-	-
08-Jul	08-Jul	27	-	-	-	-	-	-
09-Jul	09-Jul	28	-	-	-	-	-	-
10-Jul	10-Jul	28	-	-	-	-	-	-
11-Jul	11-Jul	28	-	-	-	-	-	-
12-Jul	12-Jul	28	-	-	-	-	-	-
13-Jul	13-Jul	28	-	-	-	-	-	-
14-Jul	14-Jul	28	-	-	-	-	-	-
15-Jul	15-Jul	28	-	-	-	-	-	-
16-Jul	16-Jul	29	-	-	-	-	-	-

Caswell Data 1995-2001

96, 00	95, 97		2001	2000	1999	1998	1997	1996
Leap	98, 99		South	South	South	South	South	South
Year		Julian	Water	Water	Water	Water	Water	Water
Date	Date	Week	Velocity	Velocity	Velocity	Velocity	Velocity	Velocity
12-Dec	12-Dec	50	-	-	-	-	-	-
13-Dec	13-Dec	50	-	-	-	-	-	-
14-Dec	14-Dec	50	-	-	-	-	-	-
15-Dec	15-Dec	50	-	-	-	-	-	-
16-Dec	16-Dec	50	-	2.30	-	-	-	-
17-Dec	17-Dec	51	-	2.30	-	-	-	-
18-Dec	18-Dec	51	-	2.30	-	-	-	-
19-Dec	19-Dec	51	-	ns	-	-	-	-
20-Dec	20-Dec	51	-	2.30	-	-	-	-
21-Dec	21-Dec	51	-	2.40	-	-	-	-
22-Dec	22-Dec	51	1.80	2.30	-	-	-	-
23-Dec	23-Dec	51	1.40	2.30	-	-	-	-
24-Dec	24-Dec	52	ns	ns	-	-	-	-
25-Dec	25-Dec	52	ns	ns	-	-	-	-
26-Dec	26-Dec	52	1.60	ns	-	-	-	-
27-Dec	27-Dec	52	1.70	ns	-	-	-	-
28-Dec	28-Dec	52	1.80	2.20	-	-	-	-
29-Dec	29-Dec	52	1.60	2.10	-	-	-	-
30-Dec	30-Dec	52	1.30	2.10	-	-	-	-
31-Dec	31-Dec	52	ns	2.20	-	-	-	-
01-Jan	01-Jan	1	ns	ns	-	-	-	-
02-Jan	02-Jan	1	1.50	ns	-	-	-	-
03-Jan	03-Jan	1	1.70	2.20	-	-	-	-
04-Jan	04-Jan	1	1.50	2.00	-	-	-	-
05-Jan	05-Jan	1	1.70	2.10	-	-	-	-
06-Jan	06-Jan	1	1.80	1.90	-	-	-	-
07-Jan	07-Jan	1	1.80	1.80	-	-	-	-
08-Jan	08-Jan	2	1.90	2.20	-	-	-	-
09-Jan	09-Jan	2	1.70	2.20	-	-	-	-
10-Jan	10-Jan	2	1.60	2.20	-	-	-	-
11-Jan	11-Jan	2	1.70	2.30	-	-	-	-
12-Jan	12-Jan	2	1.70	2.00	-	-	-	-
13-Jan	13-Jan	2	1.80	2.20	-	-	-	-
14-Jan	14-Jan	2	1.90	2.40	-	-	-	-
15-Jan	15-Jan	3	1.70	2.40	-	-	-	-
16-Jan	16-Jan	3	1.70	2.30	-	-	-	-
17-Jan	17-Jan	3	1.70	2.50	-	-	-	-
18-Jan	18-Jan	3	1.70	2.20	2.9	-	-	-
19-Jan	19-Jan	3	1.50	2.70	3.3	-	-	-
20-Jan	20-Jan	3	1.70	2.60	3.0	-	-	-
21-Jan	21-Jan	3	ns	2.40	3.1	-	-	-
22-Jan	22-Jan	4	ns	2.20	3.0	-	-	-
23-Jan	23-Jan	4	1.15	2.64	2.9	-	-	-
24-Jan	24-Jan	4	1.40	1.80	2.6	-	-	-
25-Jan	25-Jan	4	1.40	2.50	2.3	-	-	-
26-Jan	26-Jan	4	1.70	nd	2.4	-	-	-
27-Jan	27-Jan	4	nd	1.20	2.7	-	-	-
28-Jan	28-Jan	4	1.71	nd	2.6	-	-	-

Caswell Data 1995-2001

96, 00	95, 97		2001	2000	1999	1998	1997	1996
Leap	98, 99		South	South	South	South	South	South
Year		Julian	Water	Water	Water	Water	Water	Water
Date	Date	Week	Velocity	Velocity	Velocity	Velocity	Velocity	Velocity
29-Jan	29-Jan	5	1.60	2.30	3.2	4.9	-	-
30-Jan	30-Jan	5	1.50	2.40	3.8	5.7	-	-
31-Jan	31-Jan	5	1.30	2.39	2.4	5.2	-	-
01-Feb	01-Feb	5	1.60	2.60	3.0	ns	-	-
02-Feb	02-Feb	5	1.50	2.50	4.7	nd	-	-
03-Feb	03-Feb	5	1.80	2.60	4.4	6.8	-	-
04-Feb	04-Feb	5	1.70	nd	4.2	ns	-	-
05-Feb	05-Feb	6	1.60	2.30	4.7	ns	-	-
06-Feb	06-Feb	6	1.60	nd	5.5	ns	-	-
07-Feb	07-Feb	6	1.60	2.30	4.5	ns	-	-
08-Feb	08-Feb	6	1.60	2.30	5.3	4.4	-	-
09-Feb	09-Feb	6	1.50	2.20	2.7	ns	-	-
10-Feb	10-Feb	6	nd	2.30	1.7	ns	-	-
11-Feb	11-Feb	6	1.52	2.10	2.9	ns	-	-
12-Feb	12-Feb	7	1.50	nd	3.0	ns	-	-
13-Feb	13-Feb	7	1.80	2.60	2.9	6	-	-
14-Feb	14-Feb	7	1.40	2.70	2.8	5.7	-	-
15-Feb	15-Feb	7	1.70	2.04	3.0	5.1	-	-
16-Feb	16-Feb	7	1.40	3.37	3.1	5.1	-	-
17-Feb	17-Feb	7	1.60	3.30	2.9	2.8	-	2.74
18-Feb	18-Feb	7	1.70	nd	3.1	ns	-	nd
19-Feb	19-Feb	8	1.60	3.10	2.7	3.2	-	2.60
20-Feb	20-Feb	8	1.70	3.50	3.7	2.9	-	2.59
21-Feb	21-Feb	8	1.50	3.40	3.2	3.4	-	nd
22-Feb	22-Feb	8	1.80	3.10	3.1	3.5	-	nd
23-Feb	23-Feb	8	1.60	3.50	2.8	3.4	-	nd
24-Feb	24-Feb	8	1.50	3.50	3.0	3.1	-	2.86
25-Feb	25-Feb	8	2.00	ns	2.9	3.7	-	nd
26-Feb	26-Feb	9	1.70	ns	3.3	3.2	-	3.15
27-Feb	27-Feb	9	1.80	3.80	3.2	3.2	-	3.17
28-Feb	28-Feb	9	1.70	3.40	3.6	3.5	-	3.59
29-Feb	x	9	x	3.80	x	x	-	3.11
01-Mar	01-Mar	9	1.80	nd	2.9	3.3	-	3.61
02-Mar	02-Mar	9	1.90	nd	3.1	3.3	-	4.08
03-Mar	03-Mar	9	1.80	3.60	3.1	4.5	-	nd
04-Mar	04-Mar	9	1.70	2.90	2.8	2.9	-	nd
05-Mar	05-Mar	10	1.90	4.05	3.0	3	-	nd
06-Mar	06-Mar	10	2.30	4.00	2.9	2.8	-	3.15
07-Mar	07-Mar	10	2.00	3.76	3.0	3.3	-	3.57
08-Mar	08-Mar	10	1.96	2.20	2.8	2.9	-	3.46
09-Mar	09-Mar	10	1.50	2.90	3.0	2.9	-	2.90
10-Mar	10-Mar	10	1.70	3.00	3.1	2.8	-	2.45
11-Mar	11-Mar	10	1.70	3.20	2.5	2.9	-	3.12
12-Mar	12-Mar	11	1.80	3.75	2.7	3.1	-	2.96
13-Mar	13-Mar	11	1.60	3.00	nd	2.5	-	2.49
14-Mar	14-Mar	11	1.50	2.90	2.5	2.8	-	3.20
15-Mar	15-Mar	11	1.70	2.60	2.8	2.7	-	3.30
16-Mar	16-Mar	11	1.60	2.65	2.8	2.6	-	2.65

Caswell Data 1995-2001

96, 00	95, 97		2001	2000	1999	1998	1997	1996
Leap	98, 99		South	South	South	South	South	South
Year		Julian	Water	Water	Water	Water	Water	Water
Date	Date	Week	Velocity	Velocity	Velocity	Velocity	Velocity	Velocity
17-Mar	17-Mar	11	1.50	3.20	3.6	2.4	-	2.55
18-Mar	18-Mar	11	1.50	3.00	2.5	2.4	-	3.15
19-Mar	19-Mar	12	1.50	2.90	1.4	2.5	-	3.37
20-Mar	20-Mar	12	1.80	2.75	3.2	2.6	-	3.01
21-Mar	21-Mar	12	1.40	2.70	3.2	2.8	-	2.65
22-Mar	22-Mar	12	1.50	1.90	2.8	3	-	3.57
23-Mar	23-Mar	12	1.90	2.10	2.9	2.9	-	3.09
24-Mar	24-Mar	12	1.57	2.50	ns	3.5	-	3.10
25-Mar	25-Mar	12	2.00	nd	3.1	3.2	-	2.65
26-Mar	26-Mar	13	1.70	2.60	3.0	3.4	-	2.77
27-Mar	27-Mar	13	1.80	2.20	2.7	2.8	-	3.21
28-Mar	28-Mar	13	1.90	nd	3.2	1.9	-	2.77
29-Mar	29-Mar	13	2.20	2.40	3.1	3.2	-	2.98
30-Mar	30-Mar	13	2.00	2.40	2.9	2.3	-	2.40
31-Mar	31-Mar	13	1.91	nd	2.9	2.3	-	2.45
01-Apr	01-Apr	13	1.90	2.80	2.7	2.6	-	2.65
02-Apr	02-Apr	14	2.30	2.60	2.9	2.5	-	2.98
03-Apr	03-Apr	14	2.10	2.50	2.9	2.4	-	2.93
04-Apr	04-Apr	14	2.10	nd	2.8	2.5	-	2.93
05-Apr	05-Apr	14	2.40	2.30	2.6	2.7	-	2.79
06-Apr	06-Apr	14	2.41	1.80	2.9	2.4	-	2.74
07-Apr	07-Apr	14	2.30	2.30	2.8	2.6	-	2.01
08-Apr	08-Apr	14	2.47	2.40	3.2	2.6	-	2.75
09-Apr	09-Apr	15	2.70	2.40	2.0	2.5	-	2.59
10-Apr	10-Apr	15	2.60	2.60	2.9	2.3	-	2.63
11-Apr	11-Apr	15	2.70	2.40	2.9	2.8	-	2.75
12-Apr	12-Apr	15	2.60	2.30	3.0	2.9	-	3.06
13-Apr	13-Apr	15	2.44	2.20	3.1	2.7	-	3.15
14-Apr	14-Apr	15	2.70	2.80	3.5	2.5	-	2.29
15-Apr	15-Apr	15	2.93	3.10	3.1	2.8	-	2.74
16-Apr	16-Apr	16	2.50	2.80	3.0	3	-	2.56
17-Apr	17-Apr	16	2.60	2.90	2.6	2.2	-	2.60
18-Apr	18-Apr	16	2.50	2.00	2.9	3.2	-	2.72
19-Apr	19-Apr	16	2.50	2.90	2.9	2.4	-	2.44
20-Apr	20-Apr	16	2.80	2.40	3.1	2.7	-	3.16
21-Apr	21-Apr	16	2.50	2.80	3.2	2.8	-	2.70
22-Apr	22-Apr	16	3.20	3.20	3.0	2.7	-	2.60
23-Apr	23-Apr	17	3.30	2.80	3.1	2.9	-	2.90
24-Apr	24-Apr	17	3.10	2.90	nd	2.7	-	2.65
25-Apr	25-Apr	17	3.00	3.20	nd	3	-	3.20
26-Apr	26-Apr	17	3.40	2.90	nd	3	-	3.31
27-Apr	27-Apr	17	3.10	3.00	3.1	2.5	-	2.57
28-Apr	28-Apr	17	3.46	3.00	2.8	3.3	-	2.71
29-Apr	29-Apr	17	3.55	2.70	3.4	2.6	-	2.62
30-Apr	30-Apr	18	3.50	3.00	3.1	3.4	-	2.97
01-May	01-May	18	3.30	3.00	2.8	nd	-	2.50
02-May	02-May	18	3.50	3.10	2.2	nd	-	nd
03-May	03-May	18	3.30	2.60	2.9	2.7	-	nd

Caswell Data 1995-2001

96, 00	95, 97		2001	2000	1999	1998	1997	1996
Leap	98, 99		South	South	South	South	South	South
Year		Julian	Water	Water	Water	Water	Water	Water
Date	Date	Week	Velocity	Velocity	Velocity	Velocity	Velocity	Velocity
04-May	04-May	18	3.20	2.80	3.3	2.7	-	2.93
05-May	05-May	18	3.50	2.90	2.7	2.5	-	2.49
06-May	06-May	18	3.42	3.10	3.3	nd	-	2.78
07-May	07-May	19	3.40	3.00	3.2	nd	-	2.60
08-May	08-May	19	nd	2.60	3.1	nd	-	2.20
09-May	09-May	19	3.50	2.60	3.2	nd	-	2.95
10-May	10-May	19	3.50	2.80	3.4	ns	-	2.35
11-May	11-May	19	3.30	nd	3.3	2.8	-	2.24
12-May	12-May	19	3.50	3.17	3.2	2.6	-	2.06
13-May	13-May	19	3.00	3.20	3.4	2.6	-	1.94
14-May	14-May	20	3.30	3.40	3.1	2.5	-	2.67
15-May	15-May	20	3.50	3.50	2.2	2.6	-	2.92
16-May	16-May	20	3.40	3.34	3.3	2.8	-	2.95
17-May	17-May	20	2.90	3.10	3.3	3	-	2.81
18-May	18-May	20	2.90	2.90	3.3	2.6	-	2.33
19-May	19-May	20	3.40	2.90	3.5	2.9	-	2.36
20-May	20-May	20	3.20	2.90	3.5	2.7	-	3.19
21-May	21-May	21	3.00	3.10	3.4	2.8	-	2.97
22-May	22-May	21	3.00	2.70	3.0	2.8	-	2.76
23-May	23-May	21	2.65	3.20	3.4	2.8	-	3.03
24-May	24-May	21	2.44	2.60	3.5	3	-	2.18
25-May	25-May	21	2.70	2.65	2.7	2.8	-	2.00
26-May	26-May	21	2.55	3.20	3.2	2.9	-	1.79
27-May	27-May	21	2.70	ns	3.4	2.9	-	2.49
28-May	28-May	22	2.57	ns	3.5	3	-	2.54
29-May	29-May	22	2.82	ns	ns	2.6	-	2.01
30-May	30-May	22	2.60	3.10	ns	2.7	-	1.96
31-May	31-May	22	2.30	3.50	ns	3.1	-	1.74
01-Jun	01-Jun	22	2.50	3.10	2.8	3.1	-	1.83
02-Jun	02-Jun	22	ns	2.90	3.1	3	-	1.91
03-Jun	03-Jun	22	ns	ns	2.9	2.7	-	2.39
04-Jun	04-Jun	23	nd	ns	3.1	2.8	-	2.47
05-Jun	05-Jun	23	2.30	2.90	3.0	2.7	-	2.51
06-Jun	06-Jun	23	2.80	nd	3.3	2.8	-	2.33
07-Jun	07-Jun	23	2.90	2.90	3.2	2.8	-	2.41
08-Jun	08-Jun	23	2.70	2.70	3.0	2.5	-	1.90
09-Jun	09-Jun	23	ns	2.90	3.1	2.6	-	1.96
10-Jun	10-Jun	23	ns	ns	3.2	2.6	-	1.77
11-Jun	11-Jun	24	2.30	ns	3.0	2.9	-	1.78
12-Jun	12-Jun	24	1.90	2.90	-	2.4	-	2.74
13-Jun	13-Jun	24	2.20	2.50	-	3.1	-	2.77
14-Jun	14-Jun	24	2.14	2.50	3.1	2.8	-	2.65
15-Jun	15-Jun	24	1.60	2.70	2.4	2.6	-	2.33
16-Jun	16-Jun	24	ns	2.50	3.1	2.6	-	2.03
17-Jun	17-Jun	24	ns	2.40	3.2	2.6	-	1.55
18-Jun	18-Jun	25	2.34	2.50	3.0	3	-	2.49
19-Jun	19-Jun	25	2.41	2.30	ns	3	-	2.44
20-Jun	20-Jun	25	2.10	2.50	ns	ns	-	2.21

Caswell Data 1995-2001

96, 00	95, 97		2001	2000	1999	1998	1997	1996
Leap	98, 99		South	South	South	South	South	South
Year		Julian	Water	Water	Water	Water	Water	Water
Date	Date	Week	Velocity	Velocity	Velocity	Velocity	Velocity	Velocity
21-Jun	21-Jun	25	2.49	2.40	3.2	ns	-	2.53
22-Jun	22-Jun	25	2.25	2.30	3.1	2.3	-	1.82
23-Jun	23-Jun	25	ns	2.40	3.2	2.8	-	1.84
24-Jun	24-Jun	25	ns	ns	3.3	nd	-	2.26
25-Jun	25-Jun	26	2.10	ns	3.6	nd	-	1.55
26-Jun	26-Jun	26	2.50	2.40	ns	nd	-	2.57
27-Jun	27-Jun	26	2.50	2.10	ns	ns	-	2.34
28-Jun	28-Jun	26	3.00	2.10	2.9	ns	-	2.51
29-Jun	29-Jun	26	-	1.20	3.1	nd	-	1.82
30-Jun	30-Jun	26	-	1.10	3.2	nd	-	1.70
01-Jul	01-Jul	26	-	-	-	nd	-	1.92
02-Jul	02-Jul	27	-	-	-	nd	-	-
03-Jul	03-Jul	27	-	-	-	nd	-	-
04-Jul	04-Jul	27	-	-	-	ns	-	-
05-Jul	05-Jul	27	-	-	-	ns	-	-
06-Jul	06-Jul	27	-	-	-	ns	-	-
07-Jul	07-Jul	27	-	-	-	nd	-	-
08-Jul	08-Jul	27	-	-	-	nd	-	-
09-Jul	09-Jul	28	-	-	-	nd	-	-
10-Jul	10-Jul	28	-	-	-	nd	-	-
11-Jul	11-Jul	28	-	-	-	ns	-	-
12-Jul	12-Jul	28	-	-	-	ns	-	-
13-Jul	13-Jul	28	-	-	-	2.9	-	-
14-Jul	14-Jul	28	-	-	-	2.8	-	-
15-Jul	15-Jul	28	-	-	-	3.1	-	-
16-Jul	16-Jul	29	-	-	-	nd	-	-

Caswell Data 1995-2001

96, 00	95, 97		2001	2000	1999	1998	1997	1996
Leap	98, 99		North	North	North	North	North	North
Year		Julian	Water	Water	Water	Water	Water	Water
Date	Date	Week	Velocity	Velocity	Velocity	Velocity	Velocity	Velocity
12-Dec	12-Dec	50	-	-	-	-	-	-
13-Dec	13-Dec	50	-	-	-	-	-	-
14-Dec	14-Dec	50	-	-	-	-	-	-
15-Dec	15-Dec	50	-	-	-	-	-	-
16-Dec	16-Dec	50	-	2.10	-	-	-	-
17-Dec	17-Dec	51	-	2.10	-	-	-	-
18-Dec	18-Dec	51	-	2.50	-	-	-	-
19-Dec	19-Dec	51	-	ns	-	-	-	-
20-Dec	20-Dec	51	-	2.00	-	-	-	-
21-Dec	21-Dec	51	-	2.00	-	-	-	-
22-Dec	22-Dec	51	2.00	2.00	-	-	-	-
23-Dec	23-Dec	51	1.60	2.10	-	-	-	-
24-Dec	24-Dec	52	ns	ns	-	-	-	-
25-Dec	25-Dec	52	ns	ns	-	-	-	-
26-Dec	26-Dec	52	1.80	ns	-	-	-	-
27-Dec	27-Dec	52	2.10	ns	-	-	-	-
28-Dec	28-Dec	52	2.00	2.00	-	-	-	-
29-Dec	29-Dec	52	2.20	2.00	-	-	-	-
30-Dec	30-Dec	52	1.50	2.20	-	-	-	-
31-Dec	31-Dec	52	ns	2.00	-	-	-	-
01-Jan	01-Jan	1	ns	ns	-	-	-	-
02-Jan	02-Jan	1	2.20	ns	-	-	-	-
03-Jan	03-Jan	1	2.10	2.10	-	-	-	-
04-Jan	04-Jan	1	2.00	2.00	-	-	-	-
05-Jan	05-Jan	1	2.30	2.10	-	-	-	-
06-Jan	06-Jan	1	2.10	2.20	-	-	-	-
07-Jan	07-Jan	1	2.30	2.00	-	-	-	-
08-Jan	08-Jan	2	2.40	2.10	-	-	-	-
09-Jan	09-Jan	2	2.30	2.20	-	-	-	-
10-Jan	10-Jan	2	2.10	2.00	-	-	-	-
11-Jan	11-Jan	2	2.20	2.00	-	-	-	-
12-Jan	12-Jan	2	2.40	1.90	-	-	-	-
13-Jan	13-Jan	2	2.20	2.10	-	-	-	-
14-Jan	14-Jan	2	2.10	2.20	-	-	-	-
15-Jan	15-Jan	3	2.20	2.00	-	-	-	-
16-Jan	16-Jan	3	2.10	2.20	-	-	-	-
17-Jan	17-Jan	3	2.20	2.30	-	-	-	-
18-Jan	18-Jan	3	2.10	2.10	2.8	-	-	-
19-Jan	19-Jan	3	2.10	2.60	2.9	-	-	-
20-Jan	20-Jan	3	2.10	2.50	2.9	-	-	-
21-Jan	21-Jan	3	ns	2.20	2.8	-	-	-
22-Jan	22-Jan	4	ns	2.20	2.9	-	-	-
23-Jan	23-Jan	4	1.40	2.66	2.6	-	-	-
24-Jan	24-Jan	4	1.90	1.40	2.5	-	-	-
25-Jan	25-Jan	4	2.00	1.80	2.5	-	-	-
26-Jan	26-Jan	4	2.20	ns	2.9	-	-	-
27-Jan	27-Jan	4	nd	2.60	3.0	-	-	-
28-Jan	28-Jan	4	2.16	ns	3.3	-	-	-

Caswell Data 1995-2001

96, 00	95, 97		2001	2000	1999	1998	1997	1996
Leap	98, 99		North	North	North	North	North	North
Year		Julian	Water	Water	Water	Water	Water	Water
Date	Date	Week	Velocity	Velocity	Velocity	Velocity	Velocity	Velocity
29-Jan	29-Jan	5	2.10	2.30	3.1	3.6	-	-
30-Jan	30-Jan	5	1.90	2.30	4.1	3.9	-	-
31-Jan	31-Jan	5	1.90	2.60	2.8	4.2	-	-
01-Feb	01-Feb	5	2.10	2.50	3.4	ns	-	-
02-Feb	02-Feb	5	2.10	2.50	5.1	nd	-	-
03-Feb	03-Feb	5	1.90	2.40	5.7	4.5	-	-
04-Feb	04-Feb	5	1.90	2.40	5.7	ns	-	-
05-Feb	05-Feb	6	2.10	2.30	4.6	ns	-	-
06-Feb	06-Feb	6	1.90	nd	4.5	ns	-	-
07-Feb	07-Feb	6	2.10	2.20	4.7	ns	-	-
08-Feb	08-Feb	6	2.10	2.20	4.9	4.8	-	-
09-Feb	09-Feb	6	2.10	2.30	3.2	ns	-	-
10-Feb	10-Feb	6	nd	2.10	3.2	ns	-	-
11-Feb	11-Feb	6	2.06	2.40	3.4	ns	-	-
12-Feb	12-Feb	7	2.00	nd	3.3	ns	-	-
13-Feb	13-Feb	7	2.30	2.90	3.0	5.4	-	-
14-Feb	14-Feb	7	1.80	3.40	3.6	4.6	-	-
15-Feb	15-Feb	7	2.10	2.57	3.0	4.3	-	-
16-Feb	16-Feb	7	2.10	3.00	3.3	4.8	-	-
17-Feb	17-Feb	7	1.40	3.10	2.6	2.8	-	1.80
18-Feb	18-Feb	7	2.10	nd	3.7	ns	-	nd
19-Feb	19-Feb	8	2.10	2.70	3.3	2.2	-	2.00
20-Feb	20-Feb	8	2.10	2.80	3.4	2.8	-	1.90
21-Feb	21-Feb	8	2.00	3.10	3.4	2.5	-	nd
22-Feb	22-Feb	8	2.00	2.90	2.4	2.8	-	nd
23-Feb	23-Feb	8	2.10	2.60	3.1	2.5	-	nd
24-Feb	24-Feb	8	1.80	2.70	3.4	2.6	-	2.87
25-Feb	25-Feb	8	2.20	nd	3.2	2.6	-	nd
26-Feb	26-Feb	9	2.20	ns	3.6	2.5	-	2.28
27-Feb	27-Feb	9	2.20	2.70	3.5	2.9	-	3.45
28-Feb	28-Feb	9	2.00	2.80	3.3	2.6	-	3.06
29-Feb	x	9	x	2.70	x	x	-	2.66
01-Mar	01-Mar	9	2.20	nd	3.5	3	-	2.98
02-Mar	02-Mar	9	2.40	nd	3.4	2.7	-	3.24
03-Mar	03-Mar	9	2.20	3.40	2.6	3	-	nd
04-Mar	04-Mar	9	2.40	3.10	3.3	3	-	nd
05-Mar	05-Mar	10	2.40	3.27	3.2	2.6	-	nd
06-Mar	06-Mar	10	2.60	3.60	3.3	2.7	-	1.88
07-Mar	07-Mar	10	2.40	3.41	3.1	2.6	-	2.53
08-Mar	08-Mar	10	2.32	2.90	2.8	2.6	-	2.10
09-Mar	09-Mar	10	2.20	2.60	2.9	2.8	-	2.05
10-Mar	10-Mar	10	1.90	2.70	3.2	2.5	-	2.15
11-Mar	11-Mar	10	2.30	2.50	2.1	2.7	-	2.03
12-Mar	12-Mar	11	2.30	2.84	3.2	2.9	-	2.06
13-Mar	13-Mar	11	2.00	3.30	nd	2.4	-	2.16
14-Mar	14-Mar	11	1.90	2.80	3.2	2.7	-	2.87
15-Mar	15-Mar	11	2.20	3.00	2.7	2.4	-	2.15
16-Mar	16-Mar	11	1.90	2.85	2.8	2.4	-	1.85

Caswell Data 1995-2001

96, 00	95, 97		2001	2000	1999	1998	1997	1996
Leap	98, 99		North	North	North	North	North	North
Year		Julian	Water	Water	Water	Water	Water	Water
Date	Date	Week	Velocity	Velocity	Velocity	Velocity	Velocity	Velocity
17-Mar	17-Mar	11	1.90	30.00	3.6	2.3	-	2.35
18-Mar	18-Mar	11	2.00	2.90	3.1	2	-	2.00
19-Mar	19-Mar	12	2.10	2.30	2.2	2.9	-	2.46
20-Mar	20-Mar	12	2.30	2.75	2.9	2.4	-	2.05
21-Mar	21-Mar	12	1.80	2.40	3.0	3.1	-	2.46
22-Mar	22-Mar	12	2.40	2.50	2.9	2.7	-	2.45
23-Mar	23-Mar	12	2.26	2.25	3.0	2.6	-	2.59
24-Mar	24-Mar	12	2.16	2.30	ns	3.1	-	2.06
25-Mar	25-Mar	12	1.70	nd	2.8	3.2	-	1.65
26-Mar	26-Mar	13	2.30	3.00	2.9	2.8	-	1.99
27-Mar	27-Mar	13	2.20	2.70	2.8	2.6	-	1.80
28-Mar	28-Mar	13	1.75	nd	2.9	1.5	-	1.74
29-Mar	29-Mar	13	2.40	2.60	2.8	3.2	-	1.69
30-Mar	30-Mar	13	2.50	3.00	3.0	2.5	-	1.87
31-Mar	31-Mar	13	2.46	nd	1.9	2.4	-	2.00
01-Apr	01-Apr	13	2.10	2.30	3.1	2.5	-	2.00
02-Apr	02-Apr	14	2.90	2.70	2.5	2.1	-	2.41
03-Apr	03-Apr	14	2.40	2.90	2.7	2	-	2.59
04-Apr	04-Apr	14	2.50	nd	2.6	2.3	-	2.48
05-Apr	05-Apr	14	2.60	2.90	2.3	2.6	-	2.36
06-Apr	06-Apr	14	2.45	1.70	2.7	2.2	-	2.00
07-Apr	07-Apr	14	3.00	2.90	2.3	2.4	-	1.89
08-Apr	08-Apr	14	2.75	3.00	2.8	2.3	-	1.88
09-Apr	09-Apr	15	1.50	1.30	2.9	2.6	-	2.20
10-Apr	10-Apr	15	2.70	2.80	2.7	2.5	-	2.12
11-Apr	11-Apr	15	2.20	2.60	2.6	2.4	-	2.26
12-Apr	12-Apr	15	3.00	1.90	2.8	2.4	-	2.88
13-Apr	13-Apr	15	2.93	2.90	3.1	2.5	-	2.71
14-Apr	14-Apr	15	2.50	3.10	2.9	2.2	-	1.90
15-Apr	15-Apr	15	2.81	2.80	2.7	2.6	-	2.83
16-Apr	16-Apr	16	2.80	2.70	2.6	2.4	-	1.74
17-Apr	17-Apr	16	3.10	2.60	2.5	2.6	-	2.43
18-Apr	18-Apr	16	2.70	2.80	2.1	2.6	-	2.33
19-Apr	19-Apr	16	2.30	2.70	2.8	2.3	-	1.96
20-Apr	20-Apr	16	2.50	2.30	3.1	2.5	-	2.96
21-Apr	21-Apr	16	3.50	2.60	2.6	2.7	-	2.75
22-Apr	22-Apr	16	2.50	2.80	2.9	2.2	-	2.65
23-Apr	23-Apr	17	2.70	2.40	2.8	2.4	-	2.90
24-Apr	24-Apr	17	2.40	3.10	2.0	1.8	-	2.82
25-Apr	25-Apr	17	2.40	2.80	nd	2.8	-	3.60
26-Apr	26-Apr	17	2.60	2.90	nd	2.4	-	2.86
27-Apr	27-Apr	17	2.70	2.80	3.1	2.3	-	2.54
28-Apr	28-Apr	17	2.45	2.80	2.6	2.5	-	2.68
29-Apr	29-Apr	17	2.18	2.50	2.7	2.5	-	2.62
30-Apr	30-Apr	18	2.80	2.40	2.6	2.7	-	2.75
01-May	01-May	18	2.40	2.60	2.8	nd	-	2.82
02-May	02-May	18	2.90	2.90	2.4	nd	-	nd
03-May	03-May	18	2.70	2.50	2.1	2.2	-	nd

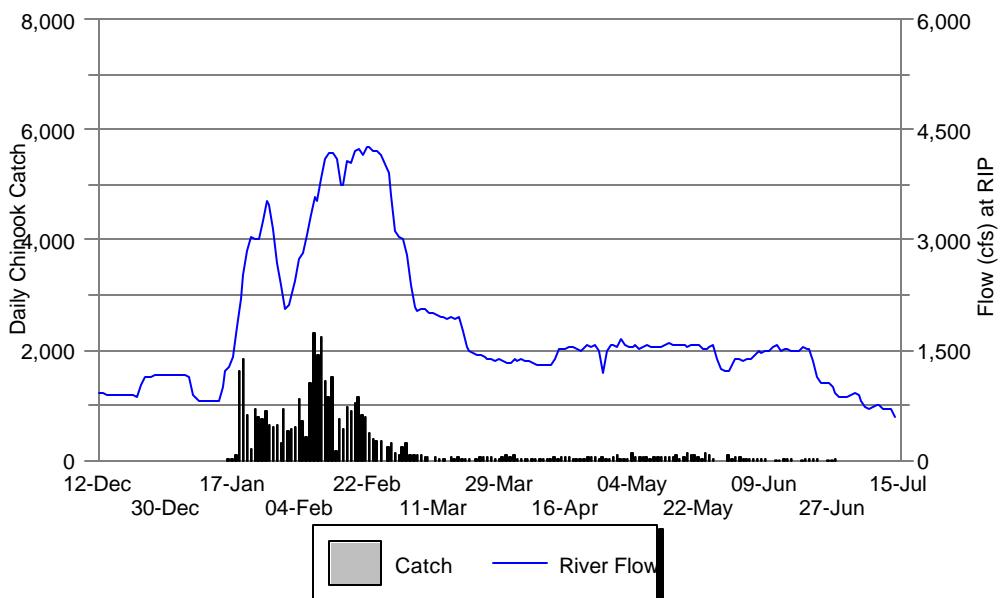
Caswell Data 1995-2001

96, 00	95, 97		2001	2000	1999	1998	1997	1996
Leap	98, 99		North	North	North	North	North	North
Year		Julian	Water	Water	Water	Water	Water	Water
Date	Date	Week	Velocity	Velocity	Velocity	Velocity	Velocity	Velocity
04-May	04-May	18	2.90	2.60	2.4	2.4	-	2.77
05-May	05-May	18	3.20	2.80	2.4	nd	-	2.52
06-May	06-May	18	2.77	2.90	2.8	nd	-	2.88
07-May	07-May	19	3.20	2.60	2.6	nd	-	2.52
08-May	08-May	19	nd	2.70	2.9	nd	-	2.26
09-May	09-May	19	2.80	2.60	2.6	ns	-	2.79
10-May	10-May	19	2.70	2.80	2.6	nd	-	2.36
11-May	11-May	19	3.00	nd	2.3	2.4	-	2.38
12-May	12-May	19	2.80	2.70	2.2	2.7	-	2.18
13-May	13-May	19	2.70	2.50	2.2	2.4	-	2.36
14-May	14-May	20	2.90	2.90	2.7	2.3	-	3.06
15-May	15-May	20	2.60	2.70	3.7	2.8	-	2.90
16-May	16-May	20	2.50	2.75	2.5	2.6	-	2.87
17-May	17-May	20	2.70	2.70	2.7	2.6	-	2.78
18-May	18-May	20	2.50	2.60	2.6	2.8	-	2.23
19-May	19-May	20	2.40	3.00	2.7	2.5	-	2.24
20-May	20-May	20	2.50	2.60	3.0	2.6	-	2.97
21-May	21-May	21	2.40	2.80	2.5	2.6	-	2.95
22-May	22-May	21	2.30	2.80	2.6	2.6	-	2.83
23-May	23-May	21	1.09	3.20	3.1	2.7	-	2.90
24-May	24-May	21	2.18	2.60	2.2	2.6	-	1.82
25-May	25-May	21	2.40	2.60	3.1	2.6	-	1.88
26-May	26-May	21	2.42	3.00	2.5	2.5	-	1.59
27-May	27-May	21	3.00	ns	2.9	2.7	-	2.58
28-May	28-May	22	2.65	ns	2.7	2.7	-	2.74
29-May	29-May	22	2.59	ns	ns	2.5	-	1.80
30-May	30-May	22	2.70	3.10	ns	2.5	-	1.78
31-May	31-May	22	2.40	2.40	ns	2.3	-	1.86
01-Jun	01-Jun	22	2.80	2.90	1.9	2.6	-	1.99
02-Jun	02-Jun	22	ns	3.00	2.6	2.9	-	2.10
03-Jun	03-Jun	22	ns	ns	3.0	1.4	-	2.49
04-Jun	04-Jun	23	nd	ns	3.2	2.6	-	2.45
05-Jun	05-Jun	23	2.20	2.90	2.8	2.6	-	2.47
06-Jun	06-Jun	23	2.20	nd	3.1	2.6	-	2.33
07-Jun	07-Jun	23	2.40	2.70	2.3	2.6	-	2.60
08-Jun	08-Jun	23	2.60	2.60	2.8	2.5	-	2.14
09-Jun	09-Jun	23	ns	2.60	2.7	2.3	-	2.67
10-Jun	10-Jun	23	ns	ns	2.8	1.9	-	2.32
11-Jun	11-Jun	24	2.20	ns	2.9	2.6	-	2.33
12-Jun	12-Jun	24	2.30	2.80	-	2.7	-	2.72
13-Jun	13-Jun	24	1.90	2.30	-	2.8	-	2.77
14-Jun	14-Jun	24	1.80	2.70	3.1	2.6	-	2.60
15-Jun	15-Jun	24	1.80	2.70	2.8	2.3	-	2.11
16-Jun	16-Jun	24	ns	2.30	3.3	2.6	-	2.39
17-Jun	17-Jun	24	ns	2.40	3.5	2.6	-	2.36
18-Jun	18-Jun	25	2.10	2.60	3.5	2.6	-	2.54
19-Jun	19-Jun	25	2.32	2.60	ns	2.5	-	2.67
20-Jun	20-Jun	25	1.60	2.60	ns	ns	-	2.76

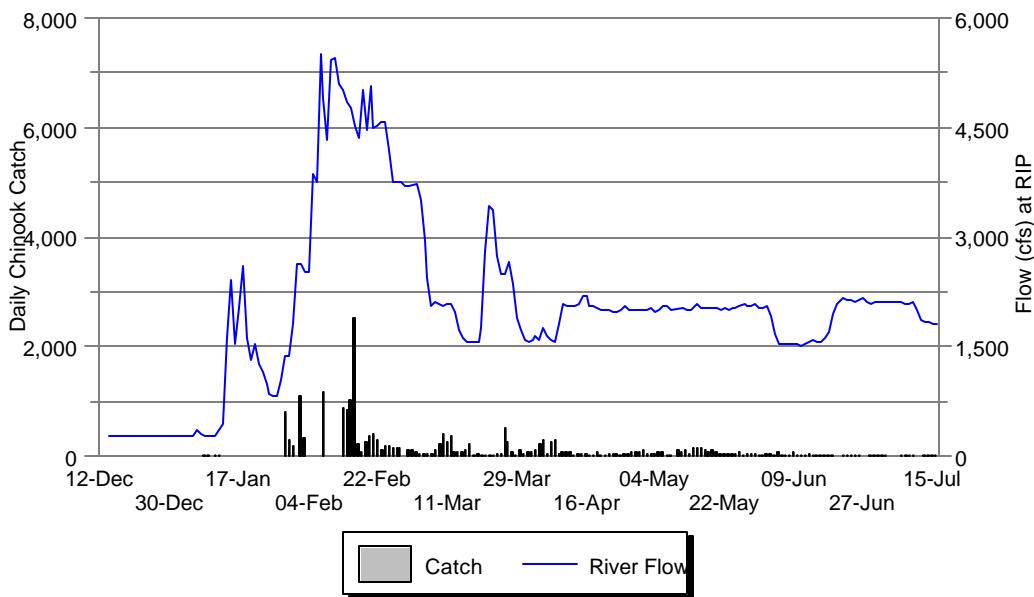
Caswell Data 1995-2001

96, 00	95, 97		2001	2000	1999	1998	1997	1996
Leap	98, 99		North	North	North	North	North	North
Year		Julian	Water	Water	Water	Water	Water	Water
Date	Date	Week	Velocity	Velocity	Velocity	Velocity	Velocity	Velocity
21-Jun	21-Jun	25	2.48	2.40	3.2	ns	-	2.55
22-Jun	22-Jun	25	2.05	2.50	2.8	2.2	-	2.14
23-Jun	23-Jun	25	ns	2.60	3.1	2.3	-	2.22
24-Jun	24-Jun	25	ns	ns	2.6	nd	-	2.42
25-Jun	25-Jun	26	2.80	ns	2.8	nd	-	2.03
26-Jun	26-Jun	26	2.20	2.30	ns	nd	-	2.57
27-Jun	27-Jun	26	2.40	2.40	ns	ns	-	2.62
28-Jun	28-Jun	26	2.40	2.30	2.6	ns	-	2.59
29-Jun	29-Jun	26	-	2.00	3.3	nd	-	2.01
30-Jun	30-Jun	26	-	2.00	3.1	nd	-	2.26
01-Jul	01-Jul	26	-	-	-	nd	-	2.06
02-Jul	02-Jul	27	-	-	-	nd	-	-
03-Jul	03-Jul	27	-	-	-	nd	-	-
04-Jul	04-Jul	27	-	-	-	ns	-	-
05-Jul	05-Jul	27	-	-	-	ns	-	-
06-Jul	06-Jul	27	-	-	-	ns	-	-
07-Jul	07-Jul	27	-	-	-	nd	-	-
08-Jul	08-Jul	27	-	-	-	nd	-	-
09-Jul	09-Jul	28	-	-	-	nd	-	-
10-Jul	10-Jul	28	-	-	-	nd	-	-
11-Jul	11-Jul	28	-	-	-	ns	-	-
12-Jul	12-Jul	28	-	-	-	ns	-	-
13-Jul	13-Jul	28	-	-	-	2.8	-	-
14-Jul	14-Jul	28	-	-	-	2.6	-	-
15-Jul	15-Jul	28	-	-	-	2.8	-	-
16-Jul	16-Jul	29	-	-	-	nd	-	-

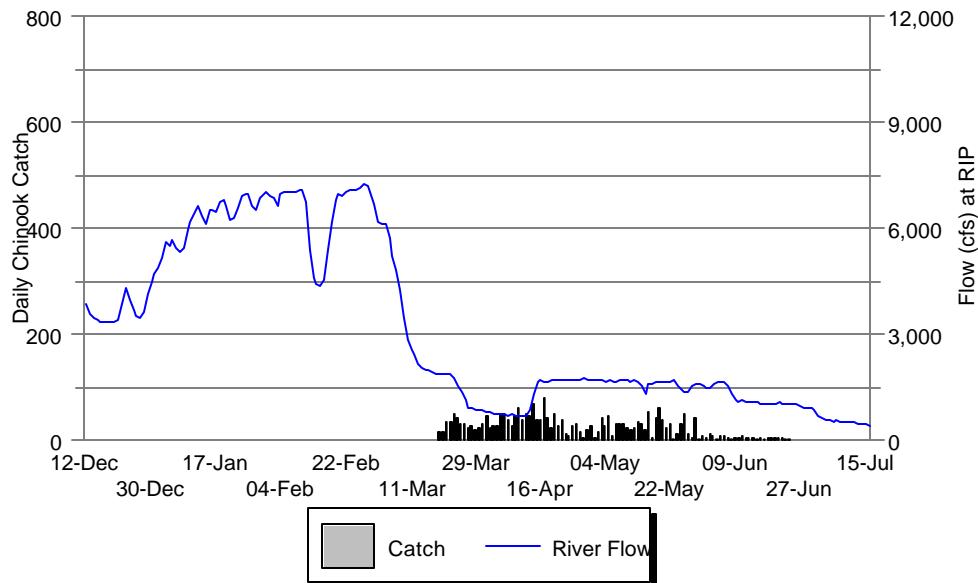
Daily 1999 Flow at RIP and Chinook Catch at Caswell



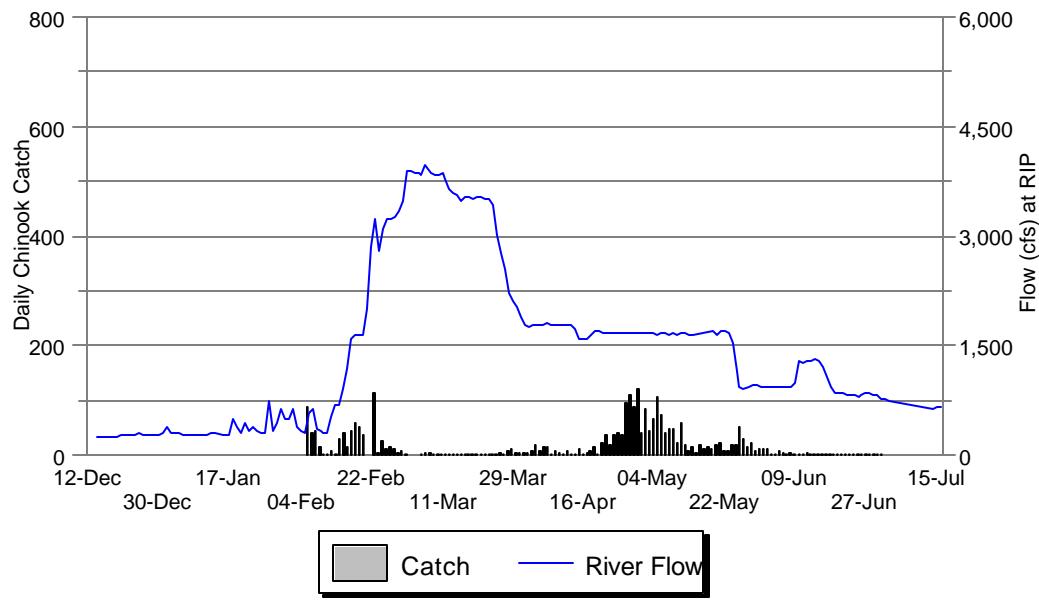
Daily 1998 Flow at RIP and Chinook Catch at Caswell



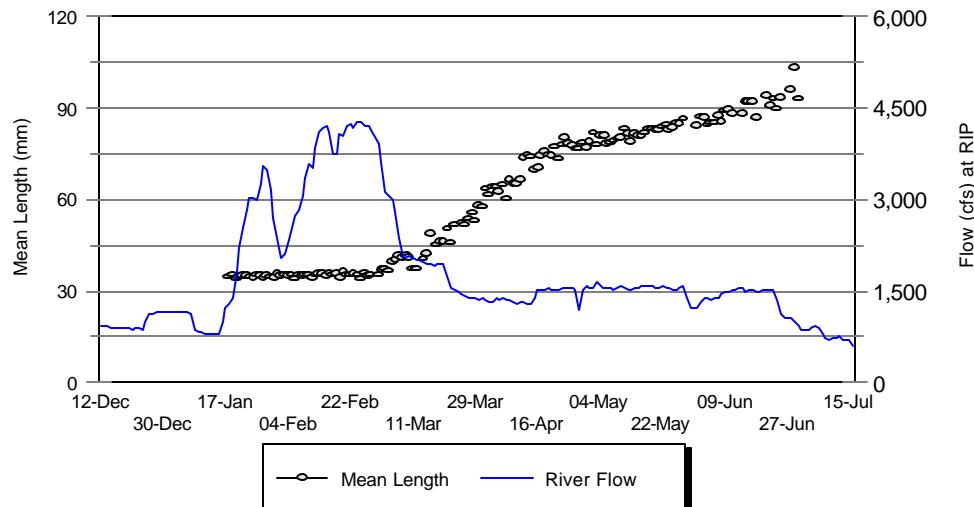
Daily 1997 Flow at RIP and Chinook Catch at Caswell



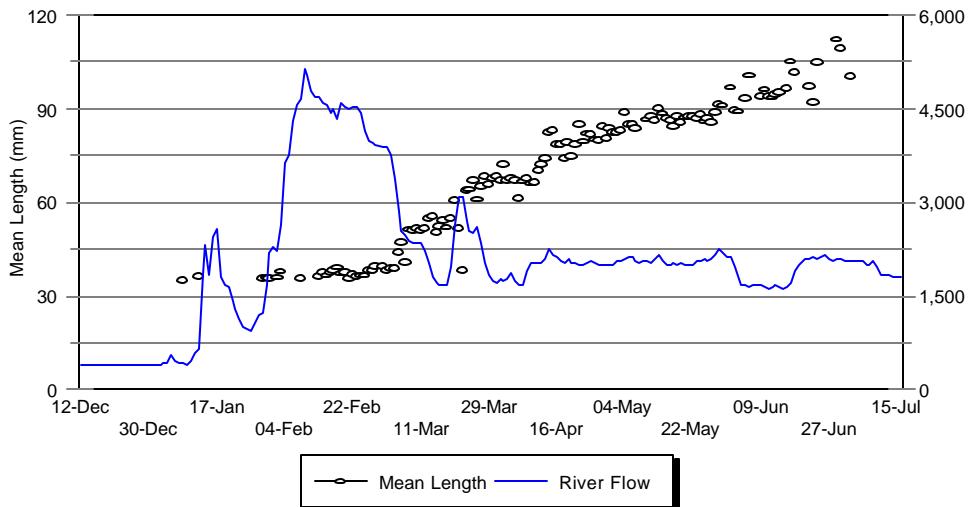
Daily 1996 Flow at RIP and Chinook Catch at Caswell



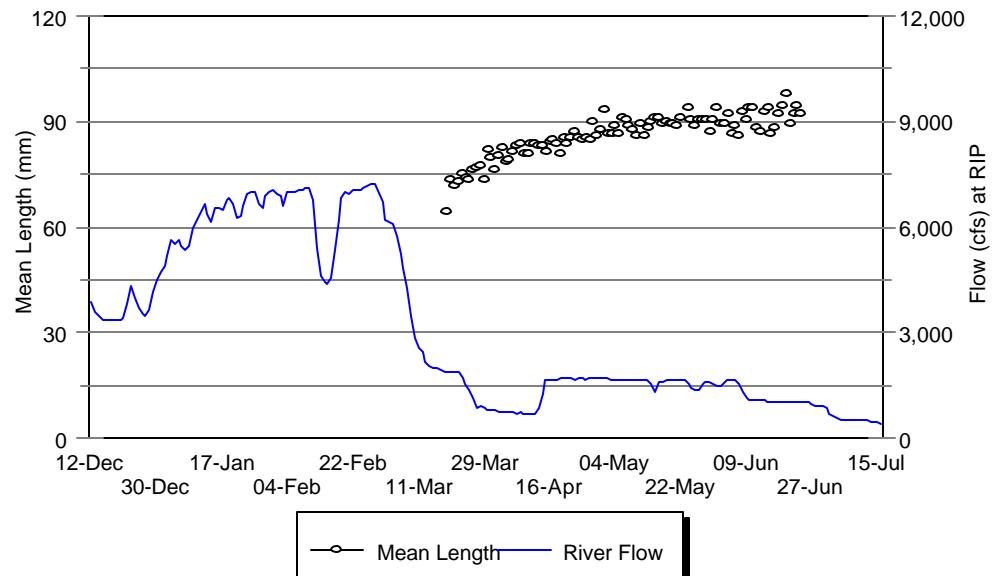
1999 Daily Chinook Mean Lengths at Caswell



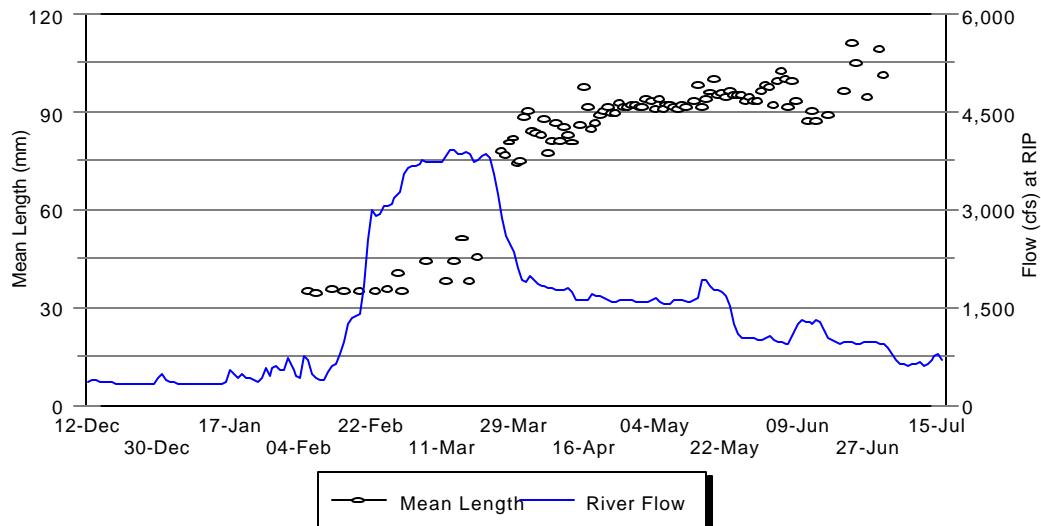
1998 Daily Chinook Mean Lengths at Caswell



1997 Daily Chinook Mean Lengths at Caswell



1996 Daily Chinook Mean Lengths at Caswell



Section 3. Oakdale Trapping Site

Daily Chinook Catch at Oakdale in 2001

Julian Week	Date	Chinook	Yearling		Julian Week	Date	Chinook	Yearling
50	12-Dec-00	2	0		6	07-Feb-01	473	0
50	13-Dec-00	0	0		6	08-Feb-01	4398	0
50	14-Dec-00	2	0		6	09-Feb-01	318	0
50	15-Dec-00	4	0		6	10-Feb-01	680	0
50	16-Dec-00	ns	ns		6	11-Feb-01	221	0
51	17-Dec-00	ns	ns		7	12-Feb-01	5707	0
51	18-Dec-00	22	0		7	13-Feb-01	50414	0
51	19-Dec-00	14	0		7	14-Feb-01	7144	0
51	20-Dec-00	16	0		7	15-Feb-01	2153	0
51	21-Dec-00	13	0		7	16-Feb-01	771	0
51	22-Dec-00	37	0		7	17-Feb-01	244	0
51	23-Dec-00	57	0		7	18-Feb-01	804	0
52	24-Dec-00	ns	ns		8	19-Feb-01	452	0
52	25-Dec-00	ns	ns		8	20-Feb-01	1012	0
52	26-Dec-00	48	0		8	21-Feb-01	1355	0
52	27-Dec-00	83	0		8	22-Feb-01	980	0
52	28-Dec-00	70	0		8	23-Feb-01	368	0
52	29-Dec-00	72	0		8	24-Feb-01	905	0
52	30-Dec-00	43	0		8	25-Feb-01	591	0
52	31-Dec-00	ns	ns		9	26-Feb-01	6939	0
1	01-Jan-01	ns	ns		9	27-Feb-01	1181	0
1	02-Jan-01	166	0		9	28-Feb-01	172	1
1	03-Jan-01	269	0		9	01-Mar-01	950	0
1	04-Jan-01	524	1		9	02-Mar-01	85	0
1	05-Jan-01	357	1		9	03-Mar-01	481	0
1	06-Jan-01	291	1		9	04-Mar-01	56	0
1	07-Jan-01	116	0		10	05-Mar-01	3294	0
2	08-Jan-01	23	0		10	06-Mar-01	4944	3
2	09-Jan-01	40	0		10	07-Mar-01	2784	0
2	10-Jan-01	97	0		10	08-Mar-01	458	1
2	11-Jan-01	92	0		10	09-Mar-01	770	1
2	12-Jan-01	62	0		10	10-Mar-01	745	0
2	13-Jan-01	952	0		10	11-Mar-01	104	1
2	14-Jan-01	79	0		11	12-Mar-01	775	1
3	15-Jan-01	1509	0		11	13-Mar-01	484	1
3	16-Jan-01	1095	1		11	14-Mar-01	175	0
3	17-Jan-01	843	0		11	15-Mar-01	245	0
3	18-Jan-01	894	2		11	16-Mar-01	130	0
3	19-Jan-01	244	0		11	17-Mar-01	141	0
3	20-Jan-01	314	0		11	18-Mar-01	114	0
3	21-Jan-01	1146	0		12	19-Mar-01	92	0
4	22-Jan-01	545	0		12	20-Mar-01	279	0
4	23-Jan-01	328	0		12	21-Mar-01	151	0
4	24-Jan-01	45	0		12	22-Mar-01	121	0
4	25-Jan-01	2567	0		12	23-Mar-01	114	0
4	26-Jan-01	4172	0		12	24-Mar-01	250	0
4	27-Jan-01	21440	1		12	25-Mar-01	86	0
4	28-Jan-01	5407	0		13	26-Mar-01	217	0
5	29-Jan-01	2059	0		13	27-Mar-01	71	0
5	30-Jan-01	1553	0		13	28-Mar-01	92	0
5	31-Jan-01	1392	0		13	29-Mar-01	101	0
5	01-Feb-01	1730	0		13	30-Mar-01	103	0
5	02-Feb-01	1165	0		13	31-Mar-01	66	0
5	03-Feb-01	987	0		13	01-Apr-01	90	0
5	04-Feb-01	3489	0		14	02-Apr-01	66	0
6	05-Feb-01	918	0		14	03-Apr-01	85	0
6	06-Feb-01	692	0		14	04-Apr-01	49	0

Daily Chinook Catch at Oakdale in 2001

Julian Week	Date	Chinook	Yearling		Julian Week	Date	Chinook	Yearling
14	05-Apr-01	62	0		22	01-Jun-01	94	0
14	06-Apr-01	28	0		22	02-Jun-01	ns	ns
14	07-Apr-01	9	0		22	03-Jun-01	ns	ns
14	08-Apr-01	63	0		23	04-Jun-01	84	0
15	09-Apr-01	50	0		23	05-Jun-01	48	0
15	10-Apr-01	62	0		23	06-Jun-01	50	0
15	11-Apr-01	65	0		23	07-Jun-01	2	0
15	12-Apr-01	114	0		23	08-Jun-01	18	0
15	13-Apr-01	126	0		23	09-Jun-01	ns	ns
15	14-Apr-01	178	0		23	10-Jun-01	ns	ns
15	15-Apr-01	161	0		24	11-Jun-01	0	0
16	16-Apr-01	185	0		24	12-Jun-01	29	0
16	17-Apr-01	223	0		24	13-Jun-01	10	0
16	18-Apr-01	82	0		24	14-Jun-01	0	0
16	19-Apr-01	20	0		24	15-Jun-01	4	0
16	20-Apr-01	121	0		24	16-Jun-01	ns	ns
16	21-Apr-01	73	0		24	17-Jun-01	ns	ns
16	22-Apr-01	68	0		25	18-Jun-01	5	0
17	23-Apr-01	169	0		25	19-Jun-01	3	0
17	24-Apr-01	225	0		25	20-Jun-01	6	0
17	25-Apr-01	327	0		25	21-Jun-01	9	0
17	26-Apr-01	199	0		25	22-Jun-01	5	0
17	27-Apr-01	185	0		25	23-Jun-01	ns	ns
17	28-Apr-01	200	0		25	24-Jun-01	ns	ns
17	29-Apr-01	245	0		26	25-Jun-01	2	0
18	30-Apr-01	338	0		26	26-Jun-01	0	0
18	01-May-01	471	0		26	27-Jun-01	2	0
18	02-May-01	338	0		26	28-Jun-01	0	0
18	03-May-01	436	0		26	29-Jun-01	9	0
18	04-May-01	561	0					
18	05-May-01	452	0					
18	06-May-01	307	0					
19	07-May-01	339	0					
19	08-May-01	444	0					
19	09-May-01	315	0					
19	10-May-01	232	0					
19	11-May-01	125	0					
19	12-May-01	58	0					
19	13-May-01	119	0					
20	14-May-01	165	0					
20	15-May-01	89	0					
20	16-May-01	84	0					
20	17-May-01	63	0					
20	18-May-01	98	0					
20	19-May-01	52	0					
20	20-May-01	114	0					
21	21-May-01	311	0					
21	22-May-01	258	0					
21	23-May-01	587	0					
21	24-May-01	135	0					
21	25-May-01	53	0					
21	26-May-01	81	0					

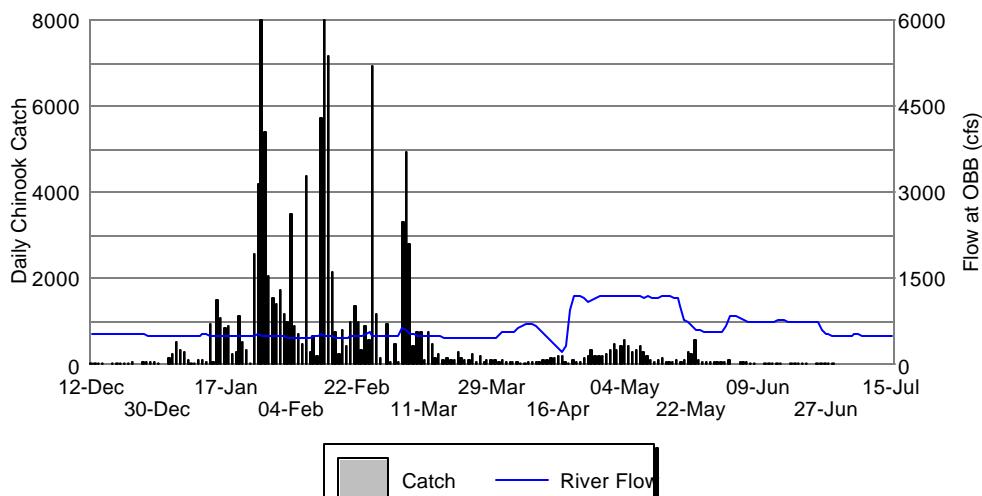
Daily Chinook Mean Lengths at Oakdale in 2001

Julian Week	Date	CHNF Yearling		Julian Week	Date	CHNF Yearling	
		Length (mm)	Length (mm)			Length (mm)	Length (mm)
50	12-Dec-00	35.50	-	6	07-Feb-01	36.41	-
50	13-Dec-00	-	-	6	08-Feb-01	35.64	-
50	14-Dec-00	35.50	-	6	09-Feb-01	36.97	-
50	15-Dec-00	34.00	-	6	10-Feb-01	37.23	-
50	16-Dec-00	ns	ns	6	11-Feb-01	37.29	-
51	17-Dec-00	ns	ns	7	12-Feb-01	36.16	-
51	18-Dec-00	34.09	-	7	13-Feb-01	35.74	-
51	19-Dec-00	33.79	-	7	14-Feb-01	37.29	-
51	20-Dec-00	35.19	-	7	15-Feb-01	35.65	-
51	21-Dec-00	33.62	-	7	16-Feb-01	36.07	-
51	22-Dec-00	35.08	-	7	17-Feb-01	36.60	-
51	23-Dec-00	34.82	-	7	18-Feb-01	35.84	-
52	24-Dec-00	ns	ns	8	19-Feb-01	35.86	-
52	25-Dec-00	ns	ns	8	20-Feb-01	35.79	-
52	26-Dec-00	34.42	-	8	21-Feb-01	36.43	-
52	27-Dec-00	34.06	-	8	22-Feb-01	35.83	-
52	28-Dec-00	33.80	-	8	23-Feb-01	35.94	-
52	29-Dec-00	34.25	-	8	24-Feb-01	35.94	-
52	30-Dec-00	33.72	-	8	25-Feb-01	36.44	-
52	31-Dec-00	ns	ns	9	26-Feb-01	36.00	-
1	01-Jan-01	ns	ns	9	27-Feb-01	36.06	-
1	02-Jan-01	34.28	-	9	28-Feb-01	37.81	125.0
1	03-Jan-01	34.47	-	9	01-Mar-01	39.17	-
1	04-Jan-01	35.03	127.0	9	02-Mar-01	37.17	-
1	05-Jan-01	35.32	117.0	9	03-Mar-01	38.28	-
1	06-Jan-01	35.17	115.0	9	04-Mar-01	36.55	-
1	07-Jan-01	35.45	-	10	05-Mar-01	37.63	-
2	08-Jan-01	35.96	-	10	06-Mar-01	35.84	140.3
2	09-Jan-01	35.85	-	10	07-Mar-01	41.57	-
2	10-Jan-01	35.49	-	10	08-Mar-01	41.26	120.0
2	11-Jan-01	34.63	-	10	09-Mar-01	39.87	111.0
2	12-Jan-01	36.06	-	10	10-Mar-01	42.13	-
2	13-Jan-01	36.00	-	10	11-Mar-01	43.74	119.0
2	14-Jan-01	37.30	-	11	12-Mar-01	43.72	160.0
3	15-Jan-01	36.17	-	11	13-Mar-01	39.39	157.0
3	16-Jan-01	35.41	126.0	11	14-Mar-01	43.85	-
3	17-Jan-01	36.40	-	11	15-Mar-01	43.10	-
3	18-Jan-01	35.73	121.0	11	16-Mar-01	47.59	-
3	19-Jan-01	35.44	-	11	17-Mar-01	48.96	-
3	20-Jan-01	35.40	-	11	18-Mar-01	49.00	-
3	21-Jan-01	35.74	-	12	19-Mar-01	41.14	-
4	22-Jan-01	35.46	-	12	20-Mar-01	41.76	-
4	23-Jan-01	35.79	-	12	21-Mar-01	47.63	-
4	24-Jan-01	35.80	-	12	22-Mar-01	45.44	-
4	25-Jan-01	35.93	-	12	23-Mar-01	53.04	-
4	26-Jan-01	36.34	-	12	24-Mar-01	45.23	-
4	27-Jan-01	36.03	150.0	12	25-Mar-01	46.89	-
4	28-Jan-01	37.37	-	13	26-Mar-01	48.46	-
5	29-Jan-01	38.55	-	13	27-Mar-01	57.35	-
5	30-Jan-01	35.70	-	13	28-Mar-01	53.78	-
5	31-Jan-01	35.89	-	13	29-Mar-01	54.53	-
5	01-Feb-01	37.10	-	13	30-Mar-01	56.16	-
5	02-Feb-01	35.64	-	13	31-Mar-01	53.68	-
5	03-Feb-01	36.87	-	13	01-Apr-01	58.23	-
5	04-Feb-01	36.34	-	14	02-Apr-01	62.91	-
6	05-Feb-01	35.77	-	14	03-Apr-01	64.14	-
6	06-Feb-01	36.06	-	14	04-Apr-01	60.84	-

Daily Chinook Mean Lengths at Oakdale in 2001

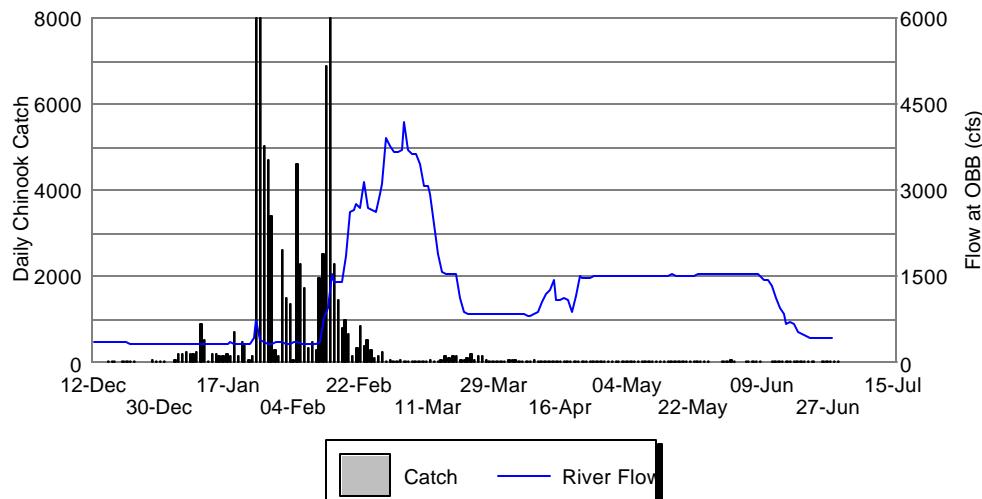
Julian Week	Date	CHNF Length (mm)	Yearling Length (mm)	Julian Week	Date	CHNF Length (mm)	Yearling Length (mm)		
14	05-Apr-01	61.91	-			21	27-May-01	78.21	-
14	06-Apr-01	62.64	-			22	28-May-01	78.56	-
14	07-Apr-01	65.67	-			22	29-May-01	79.90	-
14	08-Apr-01	61.50	-			22	30-May-01	81.42	-
15	09-Apr-01	63.00	-			22	31-May-01	81.02	-
15	10-Apr-01	65.82	-			22	01-Jun-01	80.82	-
15	11-Apr-01	66.02	-			22	02-Jun-01	ns	ns
15	12-Apr-01	66.36	-			22	03-Jun-01	ns	ns
15	13-Apr-01	66.24	-			23	04-Jun-01	85.56	-
15	14-Apr-01	66.34	-			23	05-Jun-01	84.98	-
15	15-Apr-01	71.80	-			23	06-Jun-01	84.96	-
16	16-Apr-01	69.74	-			23	07-Jun-01	88.50	-
16	17-Apr-01	70.69	-			23	08-Jun-01	82.78	-
16	18-Apr-01	66.60	-			23	09-Jun-01	-	-
16	19-Apr-01	70.00	-			23	10-Jun-01	ns	ns
16	20-Apr-01	72.56	-			24	11-Jun-01	ns	ns
16	21-Apr-01	73.35	-			24	12-Jun-01	86.00	-
16	22-Apr-01	71.64	-			24	13-Jun-01	87.80	-
17	23-Apr-01	73.98	-			24	14-Jun-01	-	-
17	24-Apr-01	72.84	-			24	15-Jun-01	84.25	-
17	25-Apr-01	71.99	-			24	16-Jun-01	ns	ns
17	26-Apr-01	69.89	-			24	17-Jun-01	ns	ns
17	27-Apr-01	71.40	-			25	18-Jun-01	83.80	-
17	28-Apr-01	72.81	-			25	19-Jun-01	84.00	-
17	29-Apr-01	71.13	-			25	20-Jun-01	87.50	-
18	30-Apr-01	74.14	-			25	21-Jun-01	92.00	-
18	01-May-01	71.89	-			25	22-Jun-01	88.00	-
18	02-May-01	71.66	-			25	23-Jun-01	ns	ns
18	03-May-01	75.41	-			25	24-Jun-01	ns	ns
18	04-May-01	73.08	-			26	25-Jun-01	87.00	-
18	05-May-01	76.14	-			26	26-Jun-01	-	-
18	06-May-01	75.07	-			26	27-Jun-01	81.00	-
19	07-May-01	77.02	-			26	28-Jun-01	-	-
19	08-May-01	78.41	-			26	29-Jun-01	90.22	-
19	09-May-01	77.51	-						
19	10-May-01	76.19	-						
19	11-May-01	77.48	-						
19	12-May-01	78.38	-						
19	13-May-01	78.89	-						
20	14-May-01	78.80	-						
20	15-May-01	78.42	-						
20	16-May-01	78.23	-						
20	17-May-01	77.30	-						
20	18-May-01	78.93	-						
20	19-May-01	79.19	-						
20	20-May-01	78.33	-						
21	21-May-01	80.11	-						
21	22-May-01	79.48	-						
21	23-May-01	79.67	-						
21	24-May-01	79.23	-						
21	25-May-01	76.04	-						
21	26-May-01	77.80	-						

Daily 2001 Flow at OBB and Chinook Catch at Oakdale



* the catch peaked at 21,440 on 27-Jan and 50,414 on 13-Feb

Daily 2000 Flow at OBB and Chinook Catch at Oakdale



* the catch peaked at 28,173 on 25-Jan and 22,595 on 26-Jan

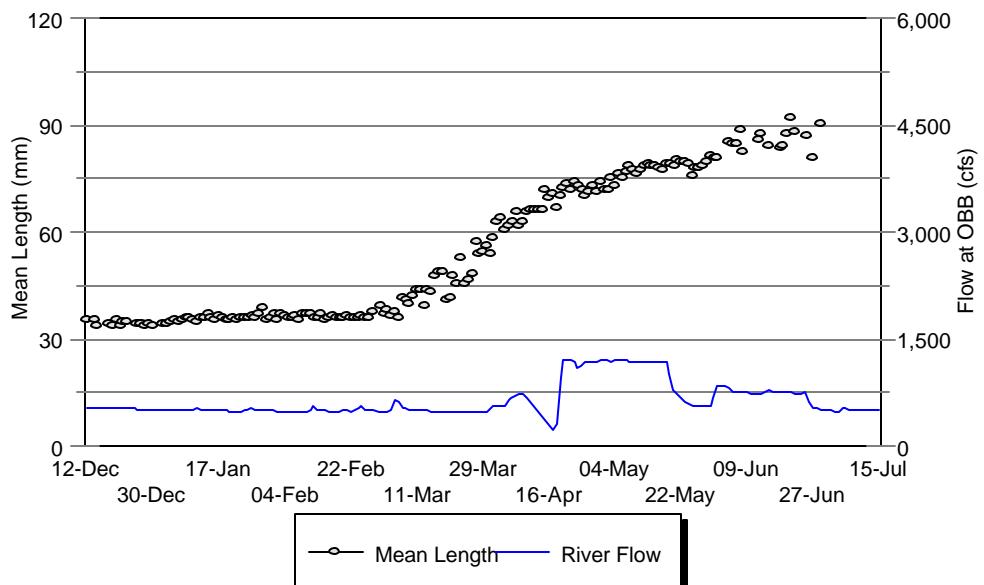
Daily Chinook Minimum and Maximum Lengths at Oakdale in 2001

Date	Min	Max		Date	Min	Max
12-Dec	35	36		07-Feb	31	52
13-Dec	-	-		08-Feb	32	38
14-Dec	35	36		09-Feb	31	64
15-Dec	32	35		10-Feb	32	58
16-Dec	ns	ns		11-Feb	32	55
17-Dec	ns	ns		12-Feb	33	44
18-Dec	32	37		13-Feb	31	40
19-Dec	32	35		14-Feb	30	72
20-Dec	34	37		15-Feb	29	45
21-Dec	31	36		16-Feb	31	61
22-Dec	33	37		17-Feb	32	45
23-Dec	31	37		18-Feb	31	42
24-Dec	ns	ns		19-Feb	31	40
25-Dec	ns	ns		20-Feb	33	40
26-Dec	28	36		21-Feb	33	51
27-Dec	32	36		22-Feb	30	51
28-Dec	30	36		23-Feb	30	45
29-Dec	32	37		24-Feb	30	45
30-Dec	31	37		25-Feb	32	39
31-Dec	ns	ns		26-Feb	31	63
01-Jan	ns	ns		27-Feb	31	45
02-Jan	32	36		28-Feb	31	70
03-Jan	31	37		01-Mar	31	114
04-Jan	33	37		02-Mar	30	56
05-Jan	31	58		03-Mar	32	68
06-Jan	31	38		04-Mar	32	52
07-Jan	30	38		05-Mar	31	62
08-Jan	34	38		06-Mar	32	46
09-Jan	34	37		07-Mar	32	78
10-Jan	33	38		08-Mar	33	75
11-Jan	30	38		09-Mar	33	67
12-Jan	32	65		10-Mar	33	85
13-Jan	33	50		11-Mar	33	92
14-Jan	32	67		12-Mar	32	70
15-Jan	32	57		13-Mar	32	68
16-Jan	31	40		14-Mar	30	70
17-Jan	31	69		15-Mar	32	79
18-Jan	33	40		16-Mar	31	74
19-Jan	32	39		17-Mar	34	68
20-Jan	31	39		18-Mar	32	84
21-Jan	32	52		19-Mar	30	79
22-Jan	31	39		20-Mar	31	70
23-Jan	31	58		21-Mar	34	70
24-Jan	32	45		22-Mar	32	81
25-Jan	32	61		23-Mar	34	87
26-Jan	34	62		24-Mar	34	71
27-Jan	32	45		25-Mar	32	75
28-Jan	32	67		26-Mar	34	74
29-Jan	30	70		27-Mar	35	85
30-Jan	32	47		28-Mar	32	84
31-Jan	30	52		29-Mar	34	82
01-Feb	30	72		30-Mar	33	82
02-Feb	30	60		31-Mar	34	78
03-Feb	31	62		01-Apr	34	80
04-Feb	31	63		02-Apr	38	100
05-Feb	32	45		03-Apr	40	82
06-Feb	32	40		04-Apr	35	82

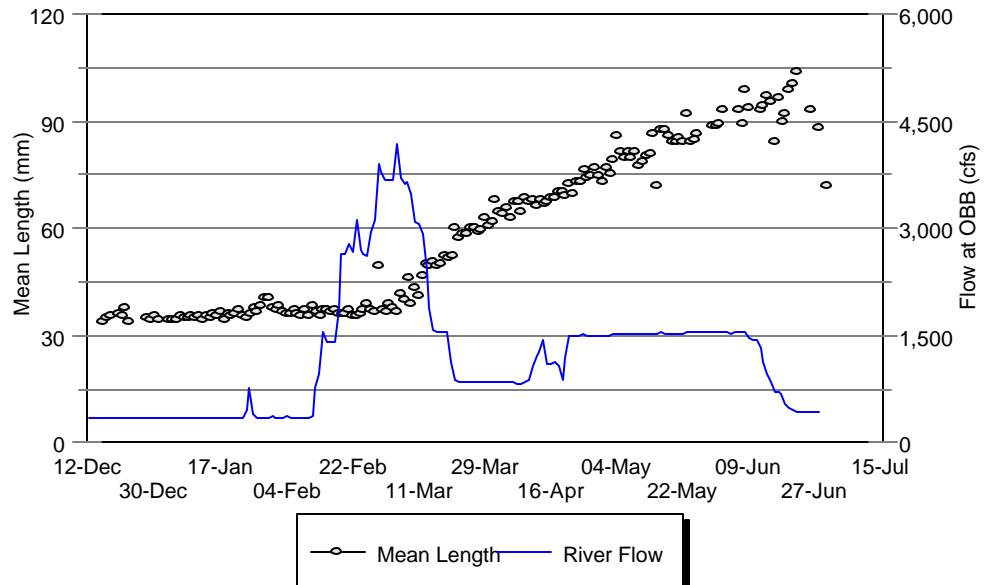
Daily Chinook Minimum and Maximum Lengths at Oakdale in 2001

Date	Min	Max		Date	Min	Max
05-Apr	32	85		01-Jun	55	98
06-Apr	36	87		02-Jun	ns	ns
07-Apr	50	77		03-Jun	ns	ns
08-Apr	34	82		04-Jun	70	100
09-Apr	34	91		05-Jun	70	95
10-Apr	50	87		06-Jun	72	97
11-Apr	54	85		07-Jun	84	93
12-Apr	45	86		08-Jun	67	92
13-Apr	53	94		09-Jun	ns	ns
14-Apr	56	90		10-Jun	ns	ns
15-Apr	49	98		11-Jun	-	-
16-Apr	53	91		12-Jun	75	97
17-Apr	50	109		13-Jun	79	95
18-Apr	50	90		14-Jun	-	-
19-Apr	62	82		15-Jun	73	91
20-Apr	47	95		16-Jun	ns	ns
21-Apr	52	90		17-Jun	ns	ns
22-Apr	35	91		18-Jun	79	90
23-Apr	60	95		19-Jun	79	90
24-Apr	50	90		20-Jun	85	90
25-Apr	55	95		21-Jun	81	105
26-Apr	55	87		22-Jun	78	95
27-Apr	52	92		23-Jun	ns	ns
28-Apr	33	93		24-Jun	ns	ns
29-Apr	58	91		25-Jun	87	87
30-Apr	32	90		26-Jun	-	-
01-May	34	87		27-Jun	72	90
02-May	34	85		28-Jun	-	-
03-May	61	91		29-Jun	85	93
04-May	34	89				
05-May	58	97				
06-May	36	101				
07-May	62	96				
08-May	60	100				
09-May	55	94				
10-May	60	102				
11-May	61	100				
12-May	58	94				
13-May	64	96				
14-May	62	98				
15-May	66	96				
16-May	57	98				
17-May	58	94				
18-May	64	95				
19-May	59	96				
20-May	63	91				
21-May	65	92				
22-May	68	97				
23-May	63	98				
24-May	62	99				
25-May	62	93				
26-May	63	90				
27-May	67	95				
28-May	60	92				
29-May	59	97				
30-May	70	102				
31-May	67	97				

2001 Daily Chinook Mean Lengths at Oakdale



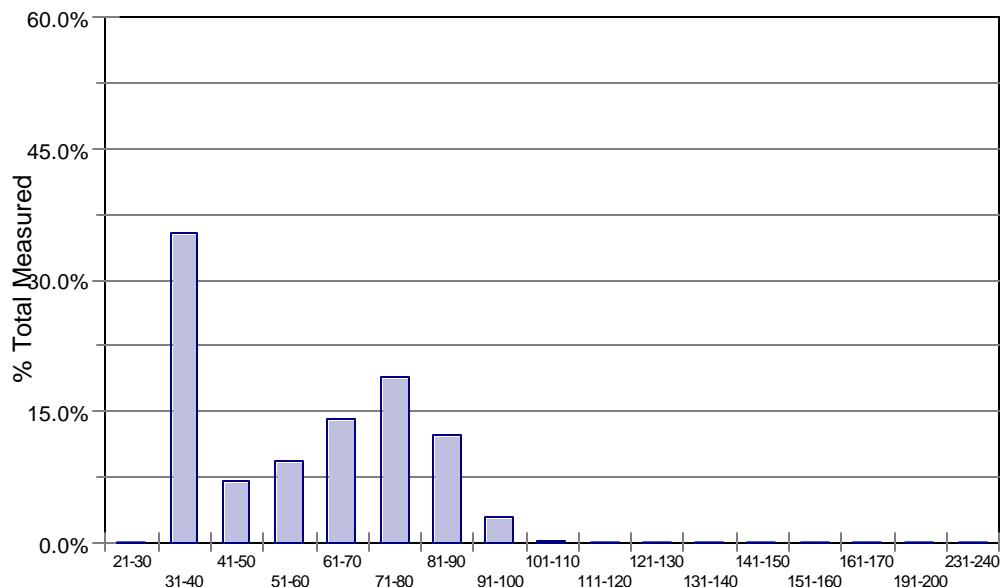
2000 Daily Chinook Mean Lengths at Oakdale



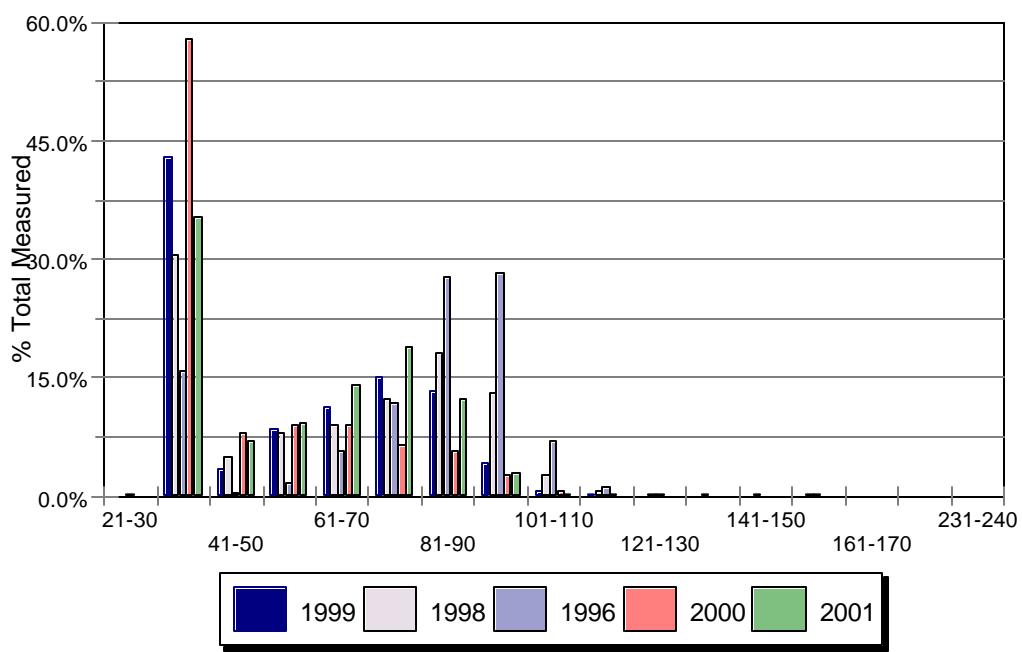
Oakdale 2001 Length Frequency

Length Interval (mm)	Julian Week																												Season				
	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total	%
21-30		3	2	1			5			3	3	1		1	1																	0	0.00%
31-40	8	65	70	163	117	228	135	148	107	195	318	117	111	101	92	67	9	1	2	1	6									2061	35.33%		
41-50				3		8	10	19	14	7	34	50	113	78	47	23	6	3	1	1										417	7.15%		
51-60		1	2	5	6	12	5		2	10	39	73	74	113	68	65	23	23	7	5	4									540	9.26%		
61-70		2	3	3	10	1	1		6	11	32	39	84	80	125	90	117	81	48	38	32	13	4							820	14.06%		
71-80				1		1			5	5	15	37	52	73	101	158	119	135	133	168	54	33	7	4	1					1102	18.89%		
81-90									1	1	3	5	15	21	35	41	64	77	96	167	56	83	25	17	7						714	12.24%	
91-100									1			1	3	3	7	4	22	16	56	13	25	9	5	3							168	2.88%	
101-110												1		1	1		5	1			1								10	0.17%			
111-120										1																			1	0.02%			
121-130																													0	0.00%			
131-140																													0	0.00%			
141-150																													0	0.00%			
151-160																													0	0.00%			
161-170																													0	0.00%			
191-200																													0	0.00%			
231-240																													0	0.00%			
	8	65	70	164	124	236	152	181	132	211	327	168	218	325	301	353	248	294	258	348	283	288	287	428	140	145	41	27	5833				

Length Frequency of Measured Chinook at Oakdale - 2001



Length Frequencies of Chinook Measured at Oakdale 1996-2001



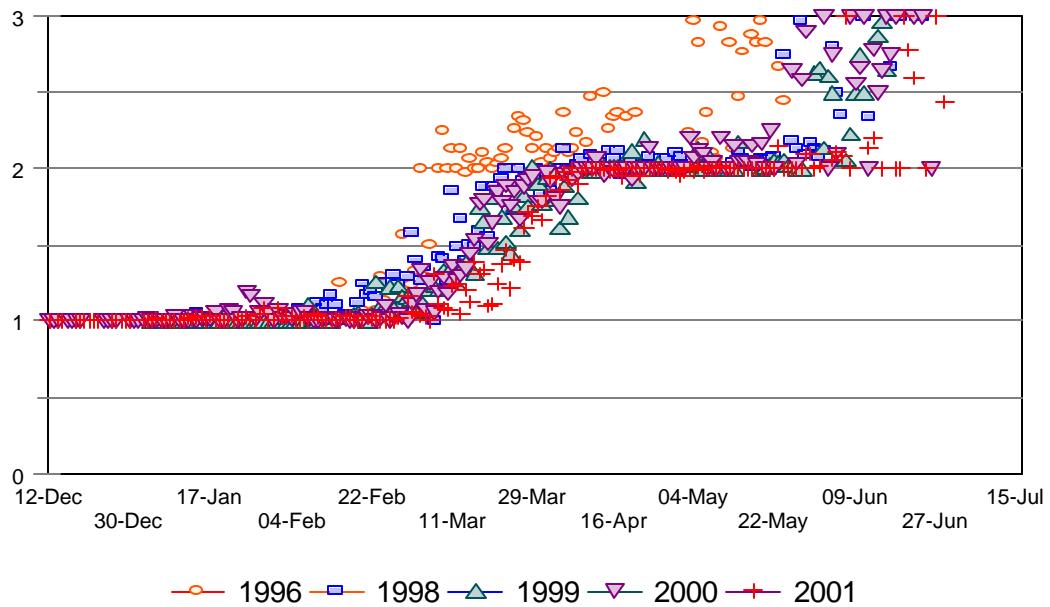
Chinook smolt index values for all natural chinook rated during 2001.

Date	# 1	# 2	# 3	Mean Index		Date	# 1	# 2	# 3	Mean Index
12-Dec	2			1.00		04-Feb	90	3		1.03
13-Dec				-		05-Feb	70			1.00
14-Dec	2			1.00		06-Feb	70			1.00
15-Dec	4			1.00		07-Feb	68	2		1.03
16-Dec	ns	ns	ns	ns		08-Feb	50			1.00
17-Dec	ns	ns	ns	ns		09-Feb	68	3		1.04
18-Dec	22			1.00		10-Feb	68	2		1.03
19-Dec	14			1.00		11-Feb	70			1.00
20-Dec	16			1.00		12-Feb	70			1.00
21-Dec	13			1.00		13-Feb	130			1.00
22-Dec	24			1.00		14-Feb	69	1		1.01
23-Dec	51			1.00		15-Feb	74			1.00
24-Dec	ns	ns	ns	ns		16-Feb	68	2		1.03
25-Dec	ns	ns	ns	ns		17-Feb	68	2		1.03
26-Dec	48			1.00		18-Feb	70			1.00
27-Dec	50			1.00		19-Feb	70			1.00
28-Dec	56			1.00		20-Feb	70			1.00
29-Dec	56			1.00		21-Feb	68	2		1.03
30-Dec	43			1.00		22-Feb	69	1		1.01
31-Dec	ns	ns	ns	ns		23-Feb	69	1		1.01
01-Jan	ns	ns	ns	ns		24-Feb	90			1.00
02-Jan	50			1.00		25-Feb	70			1.00
03-Jan	100			1.00		26-Feb	70	1		1.01
04-Jan	70			1.00		27-Feb	70			1.00
05-Jan	59	1		1.02		28-Feb	73	2		1.03
06-Jan	130			1.00		01-Mar	70	11	1	1.16
07-Jan	99			1.00		02-Mar	59	4		1.06
08-Jan	23			1.00		03-Mar	68	3		1.04
09-Jan	40			1.00		04-Mar	53	2		1.04
10-Jan	55			1.00		05-Mar	70	2		1.03
11-Jan	52			1.00		06-Mar	70			1.00
12-Jan	52	1		1.02		07-Mar	66	29		1.31
13-Jan	203	1		1.00		08-Mar	62	8		1.11
14-Jan	71	2		1.03		09-Mar	64	6		1.09
15-Jan	70	2		1.03		10-Mar	65	5		1.07
16-Jan	70			1.00		11-Mar	57	13	2	1.24
17-Jan	110	4		1.04		12-Mar	83	27		1.25
18-Jan	70			1.00		13-Mar	67	3		1.04
19-Jan	68			1.00		14-Mar	58	15		1.21
20-Jan	70			1.00		15-Mar	61	9		1.13
21-Jan	533			1.00		16-Mar	43	27		1.39
22-Jan	70			1.00		17-Mar	48	22		1.31
23-Jan	69	1		1.01		18-Mar	33	17		1.34
24-Jan	45			1.00		19-Mar	63	7		1.10
25-Jan	68	2		1.03		20-Mar	62	8		1.11
26-Jan	89	1		1.01		21-Mar	60	19		1.24
27-Jan	88			1.00		22-Mar	65	38		1.37
28-Jan	86	4		1.04		23-Mar	37	33		1.47
29-Jan	70	7		1.09		24-Mar	55	15		1.21
30-Jan	93			1.00		25-Mar	42	28		1.40
31-Jan	69	1		1.01		26-Mar	50	31		1.38
01-Feb	67	6		1.08		27-Mar	23	37		1.62
02-Feb	70	2		1.03		28-Mar	19	48		1.72
03-Feb	68	2		1.03		29-Mar	22	48		1.69

Chinook smolt index values for all natural chinook rated during 2001.

Date	# 1	# 2	# 3	Mean Index	Date	# 1	# 2	# 3	Mean Index
30-Mar	17	53		1.76	23-May	93	17		2.15
31-Mar	22	44		1.67	24-May		92		2.00
01-Apr	12	53		1.82	25-May		53		2.00
02-Apr	4	62		1.94	26-May		51		2.00
03-Apr	3	53		1.95	27-May		53		2.00
04-Apr	7	42		1.86	28-May		52		2.00
05-Apr	1	56		1.98	29-May		45	5	2.10
06-Apr	2	26		1.93	30-May		45	5	2.10
07-Apr		9		2.00	31-May		50		2.00
08-Apr	6	50		1.89	01-Jun		49	1	2.02
09-Apr	1	49		1.98	02-Jun	ns	ns	ns	ns
10-Apr		56		2.00	03-Jun	ns	ns	ns	ns
11-Apr		59		2.00	04-Jun		47	3	2.06
12-Apr		81		2.00	05-Jun		43	5	2.10
13-Apr		55		2.00	06-Jun		46	4	2.08
14-Apr		70		2.00	07-Jun			2	3.00
15-Apr	1	69		1.99	08-Jun		18		2.00
16-Apr		126		2.00	09-Jun	ns	ns	ns	ns
17-Apr	1	69		1.99	10-Jun	ns	ns	ns	ns
18-Apr	1	19		1.95	11-Jun				-
19-Apr		20		2.00	12-Jun		25	4	2.14
20-Apr		77		2.00	13-Jun		8	2	2.20
21-Apr		66		2.00	14-Jun				-
22-Apr	2	48		1.96	15-Jun		4		2.00
23-Apr		62		2.00	16-Jun	ns	ns	ns	ns
24-Apr		70		2.00	17-Jun	ns	ns	ns	ns
25-Apr		108		2.00	18-Jun		5		2.00
26-Apr		61		2.00	19-Jun		3		2.00
27-Apr		70		2.00	20-Jun			6	3.00
28-Apr	1	69		1.99	21-Jun		2	7	2.78
29-Apr		63		2.00	22-Jun		2	3	2.60
30-Apr	1	65		1.98	23-Jun	ns	ns	ns	ns
01-May	3	69		1.96	24-Jun	ns	ns	ns	ns
02-May	1	70		1.99	25-Jun		2		2.00
03-May		58		2.00	26-Jun				-
04-May	1	70		1.99	27-Jun			2	3.00
05-May		69	1	2.01	28-Jun				-
06-May	1	69		1.99	29-Jun		5	4	2.44
07-May		59		2.00					
08-May		70		2.00					
09-May		85		2.00					
10-May		69	1	2.01					
11-May		63		2.00					
12-May		58		2.00					
13-May		63		2.00					
14-May		70		2.00					
15-May		67		2.00					
16-May		69		2.00					
17-May		63		2.00					
18-May		68		2.00					
19-May		52		2.00					
20-May		70		2.00					
21-May		70		2.00					
22-May		63		2.00					

1996, 1998, 1999, 2000 and 2001 Smolt Index Values at Oakdale



Oakdale Release Recapture Data - Year 2001

Designated Release Code	Release Location	Release Date	Mark Type	Fish Stock	Release Time	Adjusted # Released	Number Recaptured	% Recaptured	Mean Length at Release (mm)	Mean Length at Recap. (mm)	Flow (cfs)
O1	Oakdale	05-Jan-01	CFG	Natural	1915	646	197	30.5	35.00	35.22	499
O2	Oakdale	06-Jan-01	CFDG	Natural	2000	262	48	18.3	34.50	35.27	499
O3	Oakdale	06-Jan-01	CFY	Hatchery	2015	757	107	14.1	35.00	34.60	499
O4	Oakdale	16-Jan-01	CFDG	Natural	1900	865	175	20.2	35.00	37.50	510
O5	Oakdale	16-Jan-01	CFO	Natural	1915	819	245	29.9	35.50	35.29	510
O6	Oakdale	20-Jan-01	CFDG	Natural	1845	280	52	18.6	35.22	35.25	492
O7	Oakdale	20-Jan-01	CFDB	Natural	1955	457	109	23.9	36.00	36.00	492
O8	Oakdale	03-Feb-01	CFG	Natural	1945	533	160	30.0	36.43	35.60	484
O9	Oakdale	03-Feb-01	CFB	Natural	2115	597	136	22.8	35.89	36.25	484
O10	Oakdale	23-Feb-01	CFB	Natural	2020	651	116	17.8	34.50	36.69	497
O11	Oakdale	23-Feb-01	CFG	Natural	2215	777	72	9.3	37.00	36.50	497
O12	Oakdale	11-Mar-01	CFB	Natural	2045	554	100	18.1	42.81	43.10	503
O13	Oakdale	11-Mar-01	CFG	Natural	2200	396	78	19.7	44.65	41.57	503
O14	Oakdale	21-Mar-01	CFG	Natural	2130	223	32	14.3	48.22	44.60	473
O15	Oakdale	21-Mar-01	CFB	Natural	2230	232	24	10.3	50.84	42.25	473
O16	Oakdale	25-Mar-01	CFG	Natural	2115	388	38	9.8	53.65	45.52	470
O17	Oakdale	30-Mar-01	CFG	Natural	2200	197	8	4.1	55.00	49.25	480
O18	Oakdale	11-Apr-01	CFG	Hatchery	2030	702	22	3.1	65.50	64.58	nd
O19	Oakdale	11-Apr-01	DFB	Hatchery	2145	757	32	4.2	66.62	64.44	nd
O20	Oakdale	19-Apr-01	BCDB	Natural	2045	292	9	3.1	67.58	68.00	957
O21-A	Oakdale	24-Apr-01	TCDB	Hatchery	2200	1242	70	5.6	69.56	67.95	1114
O21-B	Oakdale	24-Apr-01	TCG	Hatchery	2200	1148	45	3.9	69.78	70.64	1114
O22-A	Oakdale	08-May-01	BCB	Natural	2130	377	6	1.6	77.82	73.33	1189
O22-B	Oakdale	08-May-01	BCG	Natural	2130	461	4	0.9	75.70	73.33	1189
O23	Oakdale	22-May-01	TCDB	Hatchery	2130	1511	220	14.6	78.71	78.00	666
O24	Oakdale	23-May-01	BCDB	Hatchery	2100	1468	228	15.5	78.76	78.13	608
O-LE-01	Livebox	12-Jan-01	Photonic	Natural	9:30	100	26	26.0	35.50	35.60	520
O-LE-02	Livebox	16-Jan-01	Photonic	Natural	11:45	114	67	58.8	36.50	35.42	510
O-LE-03	Livebox	19-Jan-01	Photonic	Natural	7:45	100	49	49.0	37.90	35.62	497
O-LE-04	Livebox	06-Apr-01	Photonic	Natural	8:00	47	30	63.8	63.41	64.91	710
O-LE-05	Livebox	24-Apr-01	Photonic	Natural	11:15	81	32	39.5	71.73	73.14	1114
O-LE-06	Livebox	07-Jun-01	Photonic	Natural	9:15	104	45	43.3	83.89	82.42	503
KF	Knights Ferry	22-May-01	CWT	Hatchery	1500	50101	484	1.0	nd	89.90	666

* Flow is at OBB for Oakdale releases and for the KF release.

Number and Date of all Recaptures at Oakdale during 2001.

Number and Date of all Recaptures at Oakdale during 2001.

Number and Date of all Recaptures at Oakdale during 2001.

Number and Date of all Recaptures at Oakdale during 2001.

Date	KF	O-LE-01	O-LE-02	O-LE-03	O-LE-04	O-LE-05	O-LE-06	O1	O2	O3	O4	O5	O6	O7	O8
06-May-01															
07-May-01															
08-May-01															
09-May-01															
10-May-01															
11-May-01															
12-May-01															
13-May-01															
14-May-01															
15-May-01															
16-May-01															
17-May-01															
18-May-01															
19-May-01															
20-May-01															
21-May-01															
22-May-01															
23-May-01	420														
24-May-01	56														
25-May-01	4														
26-May-01	1														
27-May-01	1														
28-May-01															
29-May-01	1														
30-May-01															
31-May-01															
01-Jun-01															
02-Jun-01															
03-Jun-01															
04-Jun-01															
05-Jun-01															
06-Jun-01															
07-Jun-01	1														
08-Jun-01								45							
09-Jun-01															
10-Jun-01															
11-Jun-01															
12-Jun-01															
13-Jun-01															
14-Jun-01															

Number and Date of all Recaptures at Oakdale during 2001.

Date	KF	O-LE-01	O-LE-02	O-LE-03	O-LE-04	O-LE-05	O-LE-06	O1	O2	O3	O4	O5	O6	O7	O8
15-Jun-01															
16-Jun-01															
17-Jun-01															
18-Jun-01															
19-Jun-01															
20-Jun-01															
21-Jun-01															
22-Jun-01															
23-Jun-01															
24-Jun-01															
25-Jun-01															
26-Jun-01															
27-Jun-01															
28-Jun-01															
29-Jun-01															
	484	26	67	49	30	32	45	197	48	107	175	245	52	109	160

Number and Date of all Recaptures at Oakdale during 2001.

Number and Date of all Recaptures at Oakdale during 2001.

Number and Date of all Recaptures at Oakdale during 2001.

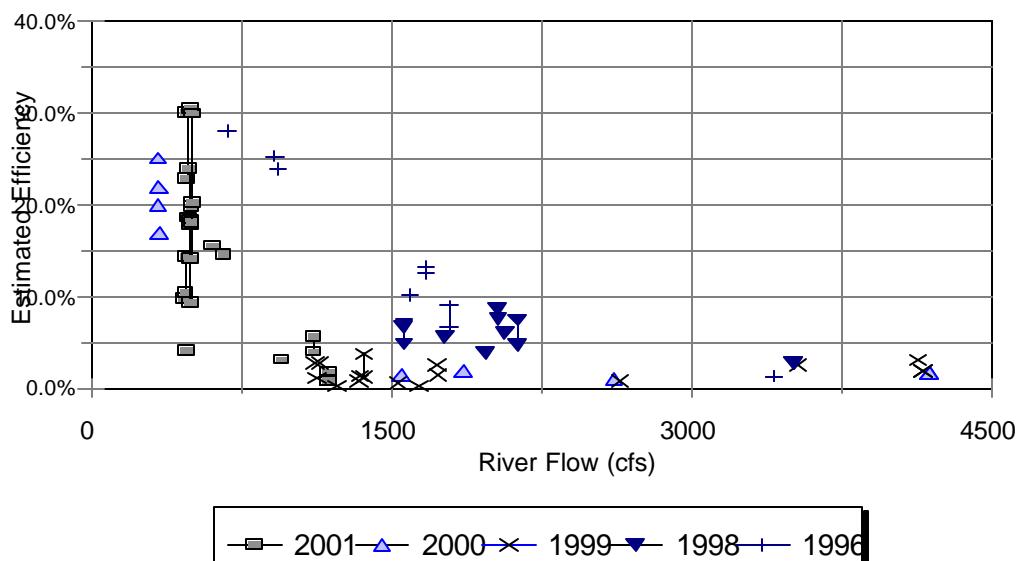
Number and Date of all Recaptures at Oakdale during 2001.

Number and Date of all Recaptures at Oakdale during 2001.

Date	O9	O10	O11	O12	O13	O14	O15	O16	O17	O18	O19	O20	O21A	O21B	O22A	O22B	O23	O24
15-Jun-01																		
16-Jun-01																		
17-Jun-01																		
18-Jun-01																		
19-Jun-01																		
20-Jun-01																		
21-Jun-01																		
22-Jun-01																		
23-Jun-01																		
24-Jun-01																		
25-Jun-01																		
26-Jun-01																		
27-Jun-01																		
28-Jun-01																		
29-Jun-01																		
	136	116	72	100	78	32	24	38	8	22	32	9	70	45	6	4	220	228

Oakdale Trap Efficiency

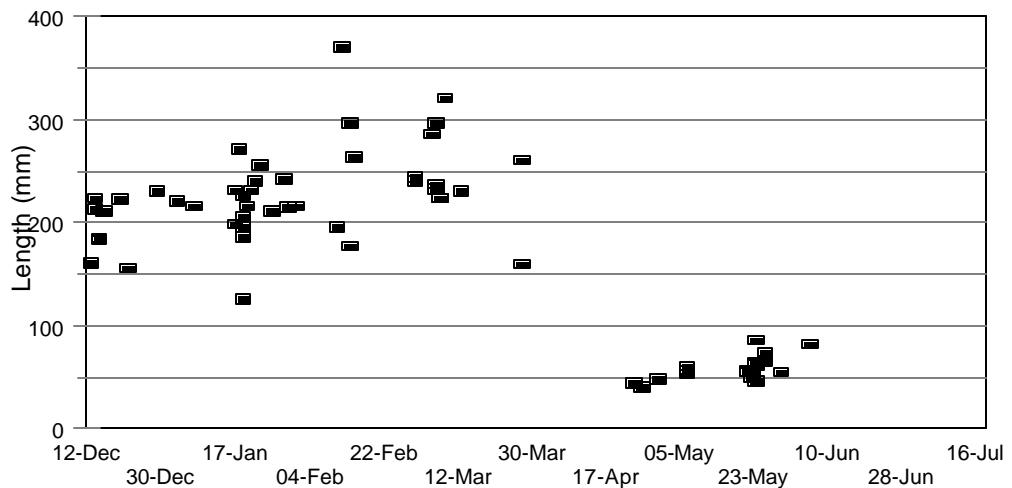
1996 to 2001



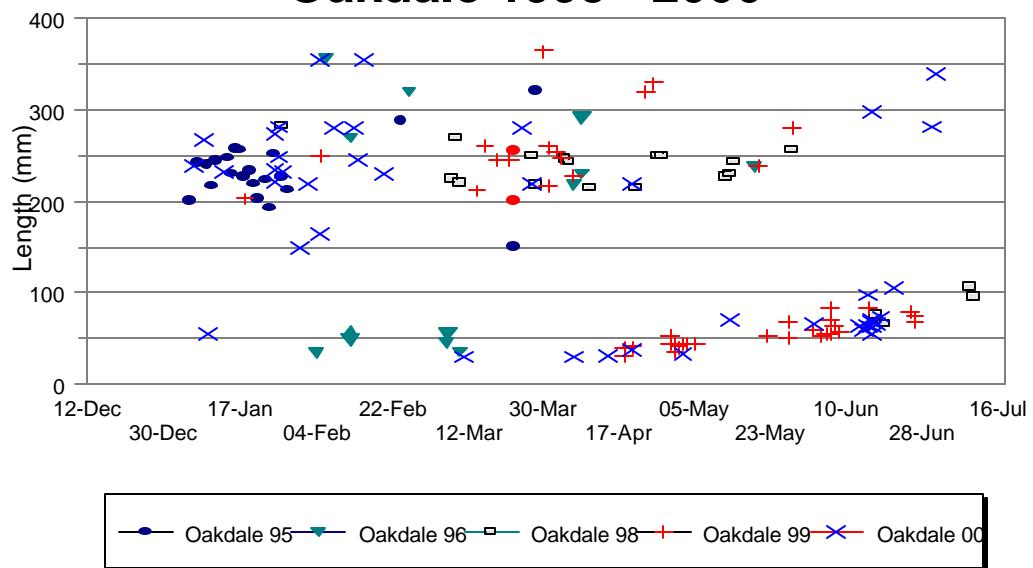
***O. mykiss* captured at Oakdale during 2001**

Date	Time	Length (mm)	Smolt Index	Date	Time	Length (mm)	Smolt Index
12-Dec-00	08:45 AM	160	4	13-Feb-01	04:30 PM	296	5
13-Dec-00	08:15 AM	223	4	13-Feb-01	09:30 PM	224	5
13-Dec-00	08:15 AM	212	5	14-Feb-01	09:15 AM	263	5
13-Dec-00	08:15 AM	222	5	01-Mar-01	08:30 AM	244	5
14-Dec-00	08:45 AM	184	4	01-Mar-01	08:30 AM	240	5
14-Dec-00	08:45 AM	182	4	05-Mar-01	09:15 AM	285	5
15-Dec-00	07:00 PM	210	4	06-Mar-01	07:45 PM	232	5
19-Dec-00	08:45 AM	222	4	06-Mar-01	07:45 PM	237	5
21-Dec-00	08:30 AM	180	4	06-Mar-01	09:30 AM	296	5
22-Dec-00	08:45 AM	155	5	06-Mar-01	09:30 AM	240	5
28-Dec-00	08:45 AM	230	4	07-Mar-01	09:30 PM	223	5
02-Jan-01	08:45 AM	220	4	07-Mar-01	09:00 AM	223	5
06-Jan-01	10:15 AM	215	5	07-Mar-01	09:00 AM	270	5
16-Jan-01	09:45 AM	198	5	08-Mar-01	08:15 AM	320	5
16-Jan-01	09:45 AM	231	5	12-Mar-01	08:30 AM	230	5
17-Jan-01	09:30 AM	270	5	27-Mar-01	08:45 AM	260	5
18-Jan-01	06:30 PM	125	5	27-Mar-01	08:45 AM	159	5
18-Jan-01	06:30 PM	218	5	23-Apr-01	08:45 AM	43	3
18-Jan-01	06:30 PM	185	5	25-Apr-01	11:45 AM	39	3
18-Jan-01	06:30 PM	225	5	29-Apr-01	08:00 AM	47	2
18-Jan-01	06:30 PM	195	5	06-May-01	07:45 AM	56	3
18-Jan-01	09:00 AM	204	5	06-May-01	07:45 AM	52	3
18-Jan-01	09:00 AM	243	5	06-May-01	07:45 AM	58	3
18-Jan-01	09:00 AM	220	5	06-May-01	07:45 AM	55	3
18-Jan-01	09:00 AM	278	5	06-May-01	07:45 AM	60	3
18-Jan-01	09:00 AM	223	5	21-May-01	10:00 PM	54	3
18-Jan-01	09:00 AM	229	5	21-May-01	09:00 AM	55	3
19-Jan-01	08:45 AM	215	5	22-May-01	08:30 AM	54	3
20-Jan-01	08:15 AM	231	5	22-May-01	08:30 AM	49	3
21-Jan-01	08:30 AM	240	5	23-May-01	09:00 AM	62	3
22-Jan-01	09:30 AM	255	5	23-May-01	09:00 AM	61	3
25-Jan-01	09:15 AM	210	5	23-May-01	09:00 AM	30	2
28-Jan-01	08:30 AM	242	5	23-May-01	09:00 AM	85	3
29-Jan-01	09:00 AM	214	5	23-May-01	09:00 AM	46	3
31-Jan-01	09:15 AM	215	4	25-May-01	08:30 AM	73	3
10-Feb-01	09:00 AM	195	5	25-May-01	08:30 AM	65	3
11-Feb-01	09:00 AM	370	5	29-May-01	08:30 AM	54	3
13-Feb-01	07:30 PM	176	5	05-Jun-01	12:00 PM	81	3

O. mykiss Captured at Oakdale in 2001



Omykiss Captured at Oakdale 1995 - 2000



Number and Date of Capture for Non-salmonids Captured in the Oakdale Trap during 2001.

Date	AMS	BGS	BKS	C	GF	GSN	HCH	HH	LAM	LMB
12-Dec-00								1	4	
13-Dec-00									2	
14-Dec-00									1	
15-Dec-00										
18-Dec-00								1	4	
19-Dec-00										
20-Dec-00			1					1	1	
21-Dec-00								1	1	
22-Dec-00								1	4	
23-Dec-00								1		
26-Dec-00					1			2		
27-Dec-00								1	5	
28-Dec-00									1	
29-Dec-00										
30-Dec-00									3	
02-Jan-01									4	1
03-Jan-01										1
04-Jan-01										
05-Jan-01						1		1	1	
06-Jan-01						1		1	4	
07-Jan-01								2	1	
08-Jan-01										
09-Jan-01					1					
10-Jan-01								1	6	1
11-Jan-01								2		
12-Jan-01								1		
13-Jan-01									26	
14-Jan-01								1	3	
15-Jan-01						1				
17-Jan-01								3		
18-Jan-01								2		
19-Jan-01								1		
20-Jan-01										
21-Jan-01									1	
22-Jan-01									2	
23-Jan-01								1		

Number and Date of Capture for Non-salmonids Captured in the Oakdale Trap during 2001.

Date	AMS	BGS	BKS	C	GF	GSN	HCH	HH	LAM	LMB
24-Jan-01								1	1	
25-Jan-01					2			2	5	
26-Jan-01					1			1		
27-Jan-01								3		1
28-Jan-01								2	2	
29-Jan-01				1				1		
30-Jan-01										
31-Jan-01										
01-Feb-01										
02-Feb-01										
03-Feb-01								2		
04-Feb-01									2	
05-Feb-01								1		
06-Feb-01								2	1	
07-Feb-01								1	2	
08-Feb-01										
09-Feb-01									1	
10-Feb-01					1					
11-Feb-01									4	
12-Feb-01										
13-Feb-01									49	1
14-Feb-01										
15-Feb-01								1		
16-Feb-01										
17-Feb-01										
18-Feb-01								1		
19-Feb-01		1						1		
20-Feb-01								1	7	
21-Feb-01					1				3	
22-Feb-01									2	
23-Feb-01										
24-Feb-01										
25-Feb-01										
26-Feb-01									3	
27-Feb-01									3	
28-Feb-01		1						1		

Number and Date of Capture for Non-salmonids Captured in the Oakdale Trap during 2001.

Number and Date of Capture for Non-salmonids Captured in the Oakdale Trap during 2001.

Number and Date of Capture for Non-salmonids Captured in the Oakdale Trap during 2001.

Number and Date of Capture for Non-salmonids Captured in the Oakdale Trap during 2001.

Date	AMS	BGS	BKS	C	GF	GSN	HCH	HH	LAM	LMB
27-Jun-01										
28-Jun-01										
29-Jun-01										1
Totals	1	15	4	1	25	22	1	174	485	16
	AMS	BGS	BKS	C	GF	GSN	HCH	HH	LAM	LMB

Number and Date of Capture for Non-salmonids Captured in the Oakdale Trap during 2001.

Date	LP	MQK	PL	PRS	RFS	RSN	SASQ	SASU	TFS	TP	W	WHC
12-Dec-00							2	2		1		
13-Dec-00								1				
14-Dec-00								1				
15-Dec-00							1	1				
18-Dec-00				2								
19-Dec-00					1				2			
20-Dec-00					3				1		1	
21-Dec-00						3				7		
22-Dec-00						5						
23-Dec-00			1		2					2		
26-Dec-00					4		1					
27-Dec-00			4		1					4		
28-Dec-00					6					1		
29-Dec-00			2		4	1				1		
30-Dec-00					3			2		2		
02-Jan-01					4	1				2		
03-Jan-01			3		6					3		
04-Jan-01					5	1				1		
05-Jan-01			1		3			2				
06-Jan-01					5							
07-Jan-01			1		2					1		
08-Jan-01								1				
09-Jan-01	2		2		4	1		1		2		
10-Jan-01					3			1		2		
11-Jan-01			4		2					1		
12-Jan-01			26		6							
13-Jan-01					10			1		1		
14-Jan-01					6					1		
15-Jan-01			14		3			2		2		
17-Jan-01			7		6			1		2		
18-Jan-01			5		1					2		
19-Jan-01					1							
20-Jan-01			4		1							
21-Jan-01					5			1				
22-Jan-01					7							
23-Jan-01					3					1		

Number and Date of Capture for Non-salmonids Captured in the Oakdale Trap during 2001.

Date	LP	MQK	PL	PRS	RFS	RSN	SASQ	SASU	TFS	TP	W	WHC
24-Jan-01												
25-Jan-01			8	4					2			
26-Jan-01			23	5	1							
27-Jan-01			83	4						1		
28-Jan-01			24	14						3		
29-Jan-01		1		8								
30-Jan-01			11	5								
31-Jan-01			2	1								
01-Feb-01		1	8	2								
02-Feb-01		2		4						1		
03-Feb-01			8									
04-Feb-01			4	7			3		2			
05-Feb-01			4	3				1				
06-Feb-01												
07-Feb-01				1								
08-Feb-01			3						1			
09-Feb-01			1	1								
10-Feb-01				1								
11-Feb-01				1								
12-Feb-01			8	1								
13-Feb-01			370	6			1		2			
14-Feb-01			61	3								
15-Feb-01			10	3								
16-Feb-01		2	7									
17-Feb-01		1										
18-Feb-01				2								
19-Feb-01		1	2	9			1					
20-Feb-01		1		7								
21-Feb-01			7	3			1		1			
22-Feb-01			3	2								
23-Feb-01			2	2			2		1			
24-Feb-01			2	1								
25-Feb-01			32	2								
26-Feb-01			106	3					1			
27-Feb-01			17	10					2			
28-Feb-01		1	5	3			3					

Number and Date of Capture for Non-salmonids Captured in the Oakdale Trap during 2001.

Date	LP	MQK	PL	PRS	RFS	RSN	SASQ	SASU	TFS	TP	W	WHC
01-Mar-01				3			1					
02-Mar-01				6								
03-Mar-01		1	6	5								
04-Mar-01			2					1				
05-Mar-01			539	18			1					
06-Mar-01			455	34			3	7				
07-Mar-01				10				3				
08-Mar-01				40	5			1		1		
09-Mar-01	1	10	6	3				2		1		
10-Mar-01		9	5	2			2	2				
11-Mar-01				2			3					
12-Mar-01		1	17	4			3	1				
13-Mar-01			3	1			1					
14-Mar-01			6									1
15-Mar-01			2	2								
16-Mar-01				1			1					
17-Mar-01			5	8								
18-Mar-01			4				1					
19-Mar-01			2	7				1				
20-Mar-01			7	3								
21-Mar-01			6									
22-Mar-01				6		1		1				
23-Mar-01			9	2			5	2				
24-Mar-01			7	6			1					1
25-Mar-01				2								
26-Mar-01			6	3								
27-Mar-01										1		
28-Mar-01		2	3					1				
29-Mar-01		2		3				1	1	1		
30-Mar-01				2			1					
31-Mar-01			7	1			2					
01-Apr-01	1	13	1				10	2				
02-Apr-01			6	2			2	2		2		
03-Apr-01			20				1					
04-Apr-01			17	1								
05-Apr-01		3	13	5			2					

Number and Date of Capture for Non-salmonids Captured in the Oakdale Trap during 2001.

Date	LP	MQK	PL	PRS	RFS	RSN	SASQ	SASU	TFS	TP	W	WHC
06-Apr-01			4	2			5	1				
07-Apr-01			32									
08-Apr-01			14					4				
09-Apr-01			2	1			1	1				
10-Apr-01				1			1	1				
11-Apr-01			11									
12-Apr-01			4									
13-Apr-01		3	4				1					
14-Apr-01			12					1				
15-Apr-01			14	2								
16-Apr-01			5				2					
17-Apr-01			13					2				1
18-Apr-01			9	1				1				
19-Apr-01			3				2	1				
20-Apr-01			50	2			12	12				
21-Apr-01			15	2			2	2				
22-Apr-01			16				4	3				1
23-Apr-01			21				4	3				
24-Apr-01		4	19				15	1				
25-Apr-01			9				16	7				
26-Apr-01			6				10	1				
27-Apr-01		1	11	1			13				1	
28-Apr-01			26				15	4				
29-Apr-01			28				3	1				
30-Apr-01		1	23				9					
01-May-01			23				15	1				
02-May-01			16				4	1				
03-May-01			8									
04-May-01			18				15	1				
05-May-01			24				11	3				
06-May-01		1	11				21	1				
07-May-01			7				15					
08-May-01			19				11					
09-May-01			9				8					
10-May-01							9	1				
11-May-01			6	1			8	2				

Number and Date of Capture for Non-salmonids Captured in the Oakdale Trap during 2001.

Date	LP	MQK	PL	PRS	RFS	RSN	SASQ	SASU	TFS	TP	W	WHC
12-May-01		1	7				3					
13-May-01			2				2					
14-May-01			10	1			5	1				
15-May-01			5									
16-May-01		1	8				3					
17-May-01			4				2					
18-May-01			12				10	1				
19-May-01			9				5	1				
20-May-01			2				2	1				
21-May-01			13				12	2				
22-May-01			27				13					
23-May-01			14	2			25	2				
24-May-01			10	1			14					
25-May-01			18				6					
26-May-01							2					
27-May-01			11				3					
28-May-01			26				1	1				
29-May-01			11				5	1				
30-May-01			15				1					
31-May-01			14				13					
01-Jun-01							10					
04-Jun-01			10				3					
05-Jun-01			2				1	2				
06-Jun-01			10				3					
07-Jun-01			2									
08-Jun-01			10				20					
12-Jun-01			10				4		1			
13-Jun-01							3					
15-Jun-01			2				3		1			
18-Jun-01							6					
19-Jun-01							6					
20-Jun-01			1				5					
21-Jun-01			2				4		1			
22-Jun-01			3				3					
25-Jun-01												1
26-Jun-01			8				1					

Number and Date of Capture for Non-salmonids Captured in the Oakdale Trap during 2001.

Date	LP	MQK	PL	PRS	RFS	RSN	SASQ	SASU	TFS	TP	W	WHC
27-Jun-01				4				1				
28-Jun-01				2								
29-Jun-01				11				2				6
Totals	1	53	2878	399	6	1	502	158	7	4	2	10

Number Measured and Mean Lengths for Non-salmonids Captured in the Oakdale Trap during 2001.

Number Measured and Mean Lengths for Non-salmonids Captured in the Oakdale Trap during 2001.

Date	AMS Length (mm)	#Meas.	BGS Length (mm)	#Meas.	BKS Length (mm)	#Meas.	C Length (mm)	#Meas.	GF Length (mm)	#Meas.	GSN Length (mm)	#Meas.	HCH Length (mm)	#Meas.
28-Jan-01														
29-Jan-01														
30-Jan-01														
31-Jan-01														
01-Feb-01														
02-Feb-01														
03-Feb-01														
04-Feb-01														
05-Feb-01														
06-Feb-01														
07-Feb-01														
08-Feb-01														
09-Feb-01														
10-Feb-01														
11-Feb-01														
12-Feb-01														
13-Feb-01														
14-Feb-01														
15-Feb-01														
16-Feb-01														
17-Feb-01														
18-Feb-01														
19-Feb-01		30		1										
20-Feb-01														
21-Feb-01														
22-Feb-01														
23-Feb-01														
24-Feb-01														
25-Feb-01														
26-Feb-01														
27-Feb-01														
28-Feb-01		31		1										
01-Mar-01														
02-Mar-01														
03-Mar-01														
04-Mar-01														
05-Mar-01														
06-Mar-01														
07-Mar-01									145.08	13	65	1		
08-Mar-01									162.5	2	70	2		

Number Measured and Mean Lengths for Non-salmonids Captured in the Oakdale Trap during 2001.

	AMS	BGS	BKS	C	GF	GSN	HCH			
Date	Length (mm)	#Meas.								
09-Mar-01					140	1				
10-Mar-01							88	1		
11-Mar-01							94	2		
12-Mar-01										
13-Mar-01										
14-Mar-01										
15-Mar-01										
16-Mar-01										
17-Mar-01										
18-Mar-01										
19-Mar-01										
20-Mar-01										
21-Mar-01										
22-Mar-01										
23-Mar-01										
24-Mar-01										
25-Mar-01										
26-Mar-01										
27-Mar-01										
28-Mar-01										
29-Mar-01							55	1		
30-Mar-01										
31-Mar-01										
01-Apr-01										
02-Apr-01										
03-Apr-01							84	1		
04-Apr-01							79	1		
05-Apr-01										
06-Apr-01							67	1		
07-Apr-01										
08-Apr-01							80.67	3		
09-Apr-01										
10-Apr-01										
11-Apr-01										
12-Apr-01							70	1		
13-Apr-01										
14-Apr-01										
15-Apr-01										
16-Apr-01										
17-Apr-01							163	1		

Number Measured and Mean Lengths for Non-salmonids Captured in the Oakdale Trap during 2001.

Number Measured and Mean Lengths for Non-salmonids Captured in the Oakdale Trap during 2001.

Date	AMS Length (mm)	#Meas.	BGS Length (mm)	#Meas.	BKS Length (mm)	#Meas.	C Length (mm)	#Meas.	GF Length (mm)	#Meas.	GSN Length (mm)	#Meas.	HCH Length (mm)	#Meas.
28-May-01														
29-May-01			51		1									
30-May-01														
31-May-01														
01-Jun-01														
04-Jun-01														
05-Jun-01														
06-Jun-01														
07-Jun-01														
08-Jun-01														
12-Jun-01														
13-Jun-01			48		1									
15-Jun-01			61		1									
18-Jun-01														
19-Jun-01														
20-Jun-01			53		2									
21-Jun-01														
22-Jun-01	430	1												
25-Jun-01														
26-Jun-01														
27-Jun-01														
28-Jun-01														
29-Jun-01														

AMS Length (mm)	#Meas.	BGS Length (mm)	#Meas.	BKS Length (mm)	#Meas.	C Length (mm)	#Meas.	GF Length (mm)	#Meas.	GSN Length (mm)	#Meas.	HCH Length (mm)	#Meas.
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Number Measured and Mean Lengths for Non-salmonids Captured in the Oakdale Trap during 2001.

Date	HH Length (mm)	#Meas.	LAM Length (mm)	#Meas.	LMB Length (mm)	#Meas.	LP Length (mm)	#Meas.	MQK Length (mm)	#Meas.	PL Length (mm)	#Meas.	PRS Length (mm)	#Meas.
12-Dec-00	38	1			4									
13-Dec-00					2									
14-Dec-00					1									
15-Dec-00														
18-Dec-00	31	1			4								89.5	2
19-Dec-00													94	1
20-Dec-00	40	1			1								90.33	3
21-Dec-00	40	1			1								84	3
22-Dec-00	47	1			4								88.8	5
23-Dec-00	38	1									1		89	2
26-Dec-00	46.5	2											82.5	4
27-Dec-00	96	1			5						4		40	1
28-Dec-00					1								74.8	6
29-Dec-00													84.75	4
30-Dec-00					3								98.33	3
02-Jan-01					4	92	1						84.75	4
03-Jan-01						91	1				3		83.17	6
04-Jan-01													77	5
05-Jan-01	34	1			1						1		92.67	3
06-Jan-01	41	1			4								80	5
07-Jan-01	47	2			1						1		92	2
08-Jan-01														
09-Jan-01									35	2			59.75	4
10-Jan-01	39	1			6	81	1						76	3
11-Jan-01	80	2									4		79	2
12-Jan-01	69	1									26		71.33	6
13-Jan-01					26								86.9	10
14-Jan-01	82	1			3								82.5	6
15-Jan-01											14		76.33	3
17-Jan-01	43.67	3									7		93.67	6
18-Jan-01	44	2									5		75	1
19-Jan-01	47	1											92	1
20-Jan-01											4		82	1
21-Jan-01					1								73	5
22-Jan-01					2								78.57	7
23-Jan-01	53	1											81.33	3
24-Jan-01	37	1			1									
25-Jan-01	40	2			5						8		78.5	4
26-Jan-01	57	1									23		85.33	5
27-Jan-01	76.33	3				81	1				83		94.25	4

Number Measured and Mean Lengths for Non-salmonids Captured in the Oakdale Trap during 2001.

Date	HH Length (mm)	#Meas.	LAM Length (mm)	#Meas.	LMB Length (mm)	#Meas.	LP Length (mm)	#Meas.	MQK Length (mm)	#Meas.	PL Length (mm)	#Meas.	PRS Length (mm)	#Meas.
28-Jan-01	71.5	2			2							24	88.29	14
29-Jan-01	39	1							55	1			91.14	8
30-Jan-01													79	5
31-Jan-01													41	1
01-Feb-01									39	1			84.5	2
02-Feb-01									39.5	2			79.5	4
03-Feb-01	113.5	2											8	
04-Feb-01					2								4	78.14
05-Feb-01	76	1											4	85.67
06-Feb-01	49.5	2			1									3
07-Feb-01	58	1			2									
08-Feb-01													3	
09-Feb-01					1								1	83
10-Feb-01														86
11-Feb-01					4									73
12-Feb-01													8	85
13-Feb-01					49	91	1						370	76
14-Feb-01													61	92
15-Feb-01	45	1											10	89.67
16-Feb-01									34.5	2			7	
17-Feb-01									31	1				
18-Feb-01	24	1												80.5
19-Feb-01	57	1							32	1			2	78.11
20-Feb-01	46	1			7				43	1				76.14
21-Feb-01					3								7	77.67
22-Feb-01					2								3	86
23-Feb-01													2	74
24-Feb-01													2	72
25-Feb-01													32	96.5
26-Feb-01					3								106	66
27-Feb-01					3								17	81.7
28-Feb-01	66	1							28	1			5	85
01-Mar-01					8									71.33
02-Mar-01														83
03-Mar-01					3								6	83.6
04-Mar-01													2	
05-Mar-01													539	87.07
06-Mar-01	75	1			39								455	85.9
07-Mar-01	68.83	6			180	74	1							84.2
08-Mar-01	98.67	6											40	87.25

Number Measured and Mean Lengths for Non-salmonids Captured in the Oakdale Trap during 2001.

Date	HH Length (mm)	#Meas.	LAM Length (mm)	#Meas.	LMB Length (mm)	#Meas.	LP Length (mm)	#Meas.	MQK Length (mm)	#Meas.	PL Length (mm)	#Meas.	PRS Length (mm)	#Meas.
09-Mar-01	69.88	8					151	1	28.56	10		6	70	3
10-Mar-01	68	3							29.75	9		5	77.5	2
11-Mar-01				8									86.5	2
12-Mar-01	71.33	3			75	1			27	1		17	77.25	4
13-Mar-01	31	1									3		60	1
14-Mar-01				2							6			
15-Mar-01											2		72.5	2
16-Mar-01													100	1
17-Mar-01											5		91	8
18-Mar-01				1							4			
19-Mar-01	38	1									2		79.14	7
20-Mar-01											7		82	3
21-Mar-01											6			
22-Mar-01													80.17	6
23-Mar-01											9		86	2
24-Mar-01											7		80.17	6
25-Mar-01				6									89.5	2
26-Mar-01											6		94	3
27-Mar-01														
28-Mar-01								28	2		3			
29-Mar-01	42	1						31.5	2				72	3
30-Mar-01													85.5	2
31-Mar-01											7		88	1
01-Apr-01	60	1			71	1			31	1		13	57	1
02-Apr-01	91	2		1							6		74	2
03-Apr-01	47.75	4		1							20			
04-Apr-01											17		78	1
05-Apr-01								27	3		13		82.8	5
06-Apr-01											4		83	2
07-Apr-01											32			
08-Apr-01	79	1									14			
09-Apr-01											2		70	1
10-Apr-01	66	1											81	1
11-Apr-01	50	2									11			
12-Apr-01	43	1		3							4			
13-Apr-01								24.5	3		4			
14-Apr-01											12			
15-Apr-01											14		96	2
16-Apr-01	68	1									5			
17-Apr-01	66	3		1							13			

Number Measured and Mean Lengths for Non-salmonids Captured in the Oakdale Trap during 2001.

Date	HH Length (mm)	#Meas.	LAM Length (mm)	#Meas.	LMB Length (mm)	#Meas.	LP Length (mm)	#Meas.	MQK Length (mm)	#Meas.	PL Length (mm)	#Meas.	PRS Length (mm)	#Meas.
18-Apr-01	77.8	5										9	71	1
19-Apr-01												3		
20-Apr-01	62.64	11			5							50	81.5	2
21-Apr-01	72.25	4			4							15	66	2
22-Apr-01	77	2										16		
23-Apr-01	38	2										21		
24-Apr-01	64.6	5			1				27.67	4		19		
25-Apr-01												9		
26-Apr-01												6		
27-Apr-01	42	1							28	1		11	82	1
28-Apr-01	48.67	6			7							26		
29-Apr-01	42	1			12							28		
30-Apr-01					1				37	1		23		
01-May-01	41	1										23		
02-May-01												16		
03-May-01												8		
04-May-01	38	1										18		
05-May-01	40	4										24		
06-May-01	50	1							25	1		11		
07-May-01												7		
08-May-01												19		
09-May-01	53	1										9		
10-May-01														
11-May-01												6	77	1
12-May-01									32	1		7		
13-May-01												2		
14-May-01												10	67	1
15-May-01					2							5		
16-May-01					5				37	1		8		
17-May-01												4		
18-May-01					1							12		
19-May-01	41	2										9		
20-May-01	52	1										2		
21-May-01	42	2		17								13		
22-May-01	37	1				90		1				27		
23-May-01	41	4			12							14	59	2
24-May-01	41	2			2							10	77	1
25-May-01	40	1										18		
26-May-01	50	1												
27-May-01	50	2										11		

Number Measured and Mean Lengths for Non-salmonids Captured in the Oakdale Trap during 2001.

Number Measured and Mean Lengths for Non-salmonids Captured in the Oakdale Trap during 2001.

Number Measured and Mean Lengths for Non-salmonids Captured in the Oakdale Trap during 2001.

Date	Length (mm)	#Meas												
28-Jan-01					129.33		3							
29-Jan-01														
30-Jan-01														
31-Jan-01														
01-Feb-01														
02-Feb-01						68		1						
03-Feb-01														
04-Feb-01			64	3	110		2							
05-Feb-01			112	1										
06-Feb-01														
07-Feb-01	88	1				68		1						
08-Feb-01														
09-Feb-01														
10-Feb-01														
11-Feb-01														
12-Feb-01														
13-Feb-01			80	1	118.5		2							
14-Feb-01														
15-Feb-01														
16-Feb-01														
17-Feb-01														
18-Feb-01														
19-Feb-01			72	1										
20-Feb-01														
21-Feb-01			72	1	38		1							
22-Feb-01														
23-Feb-01			51.5	2	115		1							
24-Feb-01														
25-Feb-01														
26-Feb-01						110		1						
27-Feb-01						151		2						
28-Feb-01			88.33	3										
01-Mar-01			101	1										
02-Mar-01														
03-Mar-01														
04-Mar-01						84		1						
05-Mar-01			54	1										
06-Mar-01					88.67	3	87.71		7					
07-Mar-01							51.67		3					
08-Mar-01							50		1			81		1

Number Measured and Mean Lengths for Non-salmonids Captured in the Oakdale Trap during 2001.

Date	Length (mm)	#Meas												
09-Mar-01					40.5	2			100	1				
10-Mar-01			60	2	170.5	2								
11-Mar-01			68.33	3										
12-Mar-01			72	3	130	1								
13-Mar-01			62	1										
14-Mar-01													195	1
15-Mar-01														
16-Mar-01			85	1										
17-Mar-01														
18-Mar-01			31	1										
19-Mar-01					74	1								
20-Mar-01														
21-Mar-01														
22-Mar-01	65	1			83	1								
23-Mar-01			77	5	44.5	2								
24-Mar-01			42	1									185	1
25-Mar-01														
26-Mar-01														
27-Mar-01									130	1				
28-Mar-01							173	1						
29-Mar-01							46	1	110	1				
30-Mar-01			76	1										
31-Mar-01			65	2										
01-Apr-01			50.6	10	48	2								
02-Apr-01			50.5	2	111.5	2			112.5	2				
03-Apr-01			45	1										
04-Apr-01														
05-Apr-01			59	2										
06-Apr-01			66.2	5	223	1								
07-Apr-01														
08-Apr-01							83	4						
09-Apr-01			72	1	41	1								
10-Apr-01			75	1	40	1								
11-Apr-01														
12-Apr-01														
13-Apr-01			53	1										
14-Apr-01							44	1						
15-Apr-01														
16-Apr-01			120	2										
17-Apr-01							46.5	2					225	1

Number Measured and Mean Lengths for Non-salmonids Captured in the Oakdale Trap during 2001.

Number Measured and Mean Lengths for Non-salmonids Captured in the Oakdale Trap during 2001.

Date	Length (mm)	#Meas	Length (mm)	#Meas	Length (mm)	#Meas	Length (mm)	#Meas	Length (mm)	#Meas							
28-May-01		49	1		340	1											
29-May-01		51.2	5		49	1											
30-May-01		77	1														
31-May-01		59.82	13														
01-Jun-01		57.33	10														
04-Jun-01		46	3														
05-Jun-01		81	1		51.5	2											
06-Jun-01		44.67	3														
07-Jun-01																	
08-Jun-01		60.73	20														
12-Jun-01		51	4														
13-Jun-01		54	3														
15-Jun-01		49.33	3														
18-Jun-01		55.33	6														
19-Jun-01		73.17	6														
20-Jun-01		55.6	5														
21-Jun-01		66	4														
22-Jun-01		56.33	3														
25-Jun-01															245	1	
26-Jun-01		64	1														
27-Jun-01		52	1														
28-Jun-01																	
29-Jun-01		62.5	2												36.4	6	
RFS	RSN	SASQ	SASU	TFS	TP	W	WHC	Length (mm)	#Meas	Length (mm)	#Meas						

Oakdale 2001: Environmental and Physical Data

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
11-Dec-00	01:45:00 PM						0.10		CLD		4	0
11-Dec-00	06:00:00 PM						0.10	52	NIT	Light	1	1
12-Dec-00	08:45:00 AM	4460	11.51	11.22	4.30	0.10	0.10	50	CLR	Heavy	1	2
12-Dec-00	08:00:00 PM	3422					0.10		NIT	Heavy	1	1
13-Dec-00	08:15:00 AM	7114	12.00	11.67	4.60	0.00	0.10	49	CLD	Medium	1	2
13-Dec-00	07:30:00 PM	3351					0.10		NIT	Medium	2	1
14-Dec-00	08:45:00 AM	3984	11.66	11.67	4.50	0.80	0.12	51	CLD	Medium	1	2
14-Dec-00	07:00:00 PM	2968					0.12		NIT	Medium	1	1
15-Dec-00	08:45:00 AM	7117	12.00	11.00	4.50	0.85	0.12	52	CLD	Medium	1	3
16-Dec-00	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s
17-Dec-00	04:00:00 PM						0.10		CLR		4	0
18-Dec-00	08:45:00 AM	120	11.33	11.00	4.10	0.00	0.11	49	CLD	Medium	1	1
18-Dec-00	12:45:00 PM	1140					0.11		CLR		4	3
18-Dec-00	04:45:00 PM						0.11		CLR		4	0
19-Dec-00	08:45:00 AM	4687	12.00	11.67	4.30	0.50	0.11	48	FOG	Light	1	1
19-Dec-00	06:00:00 PM	2988					0.11		NIT	Light	1	1
20-Dec-00	08:45:00 AM	7077	12.00	11.67	4.20	0.40	0.10	48	FOG	Light	1	2
20-Dec-00	06:30:00 PM	2907					0.12		NIT	Light	1	1
21-Dec-00	08:30:00 AM	7092	12.68	12.01	3.90	0.55	0.11	48	CLD	Light	1	2
21-Dec-00	06:30:00 PM	2978					0.11		NIT	Medium	2	1
22-Dec-00	08:45:00 AM	5	11.33	10.67	3.90	1.30	0.12	50	CLR	Medium	1	3
22-Dec-00	12:00:00 PM						0.12		CLR		4	0
22-Dec-00	04:30:00 PM	1924					0.12		nit	Medium	1	1
23-Dec-00	08:45:00 AM	2251	12.33	11.67	4.00	0.00	0.09	48	CLR	Light	1	3
24-Dec-00	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s
25-Dec-00	06:45:00 PM						0.11		nit		4	0
26-Dec-00	08:45:00 AM	4392	11.33	10.67	3.90	0.15	0.15	48	CLR	Light	1	1
26-Dec-00	06:15:00 PM	2810					0.08		NIT	Light	1	1
27-Dec-00	08:30:00 AM	6989	11.67	11.33	4.00	0.00	0.10	47	FOG	Medium	1	2
27-Dec-00	06:30:00 PM	2964					0.08		NIT	Light	1	1
28-Dec-00	08:45:00 AM	7296	11.97	10.00	3.90	0.00	0.08	47	FOG	Light	1	2
28-Dec-00	06:30:00 PM	1489					0.04		NIT	Light	1	1
29-Dec-00	08:45:00 AM	5652	12.00	10.67	4.20	0.00	0.00	46.5	FOG	Light	1	2
29-Dec-00	06:30:00 PM	2988					0.07		NIT	Light	1	1
30-Dec-00	08:45:00 AM	7280	12.10	11.00	3.80	0.00	0.08	47	FOG	Light	1	2

Oakdale 2001: Environmental and Physical Data

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
31-Dec-00	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s
01-Jan-01	06:15:00 PM						0.00		NIT		4	0
02-Jan-01	08:45:00 AM	4430	12.60	11.30	4.00	0.00	0.00	47	FOG	Light	1	1
02-Jan-01	07:45:00 PM	3250					0.00		NIT	Light	1	1
03-Jan-01	09:00:00 AM	7006	13.00	11.60	4.10	0.00	0.00	47	FOG	Medium	1	2
03-Jan-01	07:00:00 PM	3020					-0.02		NIT	Medium	1	1
04-Jan-01	08:45:00 AM	6890	12.60	11.00	3.30	0.00	0.01	48	FOG	Light	1	2
04-Jan-01	06:30:00 PM	2850					0.00		NIT	Light	1	1
05-Jan-01	08:30:00 AM	6808	13.10	11.30	4.10	0.00	0.00	46	CLR	Light	1	2
05-Jan-01	07:00:00 PM						0.00		NIT	Light	1	2
05-Jan-01	08:00:00 PM	3540						47	NIT	Light	1	2
05-Jan-01	09:00:00 PM	3718					0.00	47	NIT	Light	1	2
05-Jan-01	09:30:00 PM	3947					0.00	47	NIT	Light	1	2
06-Jan-01	10:15:00 AM	7400	13.30	11.30	4.40	0.00	0.00	46	CLR	Light	1	1
06-Jan-01	07:15:00 PM	2574					0.00	46	NIT	Light	1	1
06-Jan-01	09:15:00 PM						0.00	46	NIT	Light	1	1
06-Jan-01	09:45:00 PM	3511					0.00	46	NIT	Light	1	1
06-Jan-01	10:15:00 PM	3714					0.00	46	NIT	Light	1	1
07-Jan-01	09:15:00 AM	6624	13.00	11.30	4.50	0.00	0.05	47	CLR	Light	1	2
07-Jan-01	06:30:00 PM	2842					0.08		NIT	Light	1	1
08-Jan-01	08:45:00 AM	6359	13.30	12.30	4.60	1.40	0.15	48	RAN	VeryHeavy	1	2
08-Jan-01	08:15:00 PM	3020					0.80		NIT	Heavy	1	1
09-Jan-01	08:45:00 AM	6141	16.00	13.33	4.20	0.00	-0.10	47.5	CLR	Medium	2	2
09-Jan-01	06:15:00 PM	8553					0.00		NIT	Medium	1	1
10-Jan-01	08:45:00 AM	3672	14.33	13.00	4.20	0.00	0.10	49	CLD	Light	1	2
10-Jan-01	07:15:00 PM	1557					0.15		RAN	VeryHeavy	3	1
10-Jan-01	11:15:00 PM	1610					1.00	45	NIT	Medium	1	2
11-Jan-01	09:15:00 AM	3632	14.04	12.14	4.20	0.85	0.14	45.5	CLR	Medium	1	2
11-Jan-01	09:00:00 PM	3243					0.12		NIT	Heavy	1	1
12-Jan-01	09:00:00 AM	6336	13.67	12.33	4.30	1.10	0.04		CLR	Medium	1	2
12-Jan-01	08:45:00 PM	3218					0.10	48.5	NIT	Medium	1	1
13-Jan-01	08:45:00 AM	6405	14.00	12.00	4.10	0.30	0.10	46	CLR	Medium	1	2
13-Jan-01	06:30:00 PM	2620					0.07		NIT	Light	2	1
14-Jan-01	08:15:00 AM	6379	13.30	12.00	3.90	0.00	0.04	46	FOG	Medium	1	2
14-Jan-01	06:00:00 PM	2833					0.04		NIT	Medium	1	1

Oakdale 2001: Environmental and Physical Data

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
15-Jan-01	08:45:00 AM	6816	13.30	12.00	4.20	0.00	0.00	46.5	CLR	Light	1	2
15-Jan-01	07:00:00 PM	2991					0.01		NIT	Medium	1	1
16-Jan-01	09:45:00 AM	7183	13.00	11.70	3.90	0.00	0.01	44	CLR	Light	2	2
16-Jan-01	06:45:00 PM	2358					0.00		NIT	Light	1	1
16-Jan-01	08:00:00 PM	3017					0.00	45	NIT	Light	1	1
16-Jan-01	08:45:00 PM	3597					0.00	45	NIT	Light	1	1
17-Jan-01	09:30:00 AM	6484	12.00	11.00	3.90	0.20	0.02	44	CLR	Medium	1	2
17-Jan-01	06:30:00 PM	3168					0.02		NIT	Light	1	1
18-Jan-01	09:00:00 AM	6993	12.60	11.00	4.10	0.55	0.01	44	CLR	Light	1	2
18-Jan-01	07:00:00 PM	2984					0.01		NIT	Light	1	1
19-Jan-01	08:45:00 AM	6815	12.60	11.60	3.90	0.00	-0.05	47	CLD	Light	1	2
19-Jan-01	07:15:00 PM	2966					0.01		NIT	Light	1	1
20-Jan-01	08:15:00 AM	6745	13.30	10.90	3.92	0.00	0.00	45	CLD	Medium	1	2
20-Jan-01	06:30:00 PM	2721					0.05		NIT	Light	1	1
20-Jan-01	07:30:00 PM	2957					0.05	48	NIT	Light	1	2
20-Jan-01	08:45:00 PM	3077					0.05	48	NIT	Light	1	2
20-Jan-01	09:30:00 PM	3560					0.05	48	NIT	Light	1	2
21-Jan-01	08:30:00 AM	6506	13.70	12.00	4.00	0.00	0.00	43	FOG	Light	1	2
21-Jan-01	07:30:00 PM	3118					0.00		NIT	Medium	1	1
22-Jan-01	09:30:00 AM	6864	13.60	11.30	3.80	0.00	0.04	46	CLR	Heavy	1	2
22-Jan-01	07:00:00 PM	2419					0.04		NIT	Medium	1	1
23-Jan-01	09:15:00 AM	5777	14.90	10.60	3.40	0.00	0.00	45	RAN	Medium	1	2
23-Jan-01	06:30:00 PM	2522					0.04		NIT	Medium	1	1
24-Jan-01	09:00:00 AM	6292	14.60	12.00	4.00	0.80	0.02	48	RAN	Medium	1	2
24-Jan-01	06:30:00 PM	2630					0.02		RAN	Medium	1	1
25-Jan-01	09:15:00 AM	5977	15.30	12.30	4.10	0.00	0.08	47	CLD	Heavy	1	2
25-Jan-01	06:00:00 PM	2462					0.02		RAN	Medium	1	1
25-Jan-01	10:00:00 PM	3383					1.30		NIT	Medium	1	1
26-Jan-01	09:30:00 AM	5982	13.00	12.30	4.30	2.10	4.00	48	CLD	Medium	1	2
26-Jan-01	06:45:00 PM	2994					1.10		NIT	Medium	1	1
26-Jan-01	08:15:00 PM	3175					1.10		NIT	Medium	1	1
27-Jan-01	12:45:00 AM	3722					1.00		NIT	Light	1	1
27-Jan-01	04:15:00 AM	4740					1.00			Light	1	2
27-Jan-01	08:45:00 AM	5623	15.60	12.00	4.20	4.90	0.00	46	CLD	Medium	1	2
27-Jan-01	03:45:00 PM	2037					0.00	47.5	CLR	Light	1	1

Oakdale 2001: Environmental and Physical Data

Date	Time Trap Checked	Time/ Rev Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
27-Jan-01	07:00:00 PM	2783					0.00		NIT	Light	1	2
28-Jan-01	08:30:00 AM	6148	15.00	12.30	4.00	1.00	0.00	45.5	CLR	Medium	1	2
28-Jan-01	07:00:00 PM	2821					48		NIT	Light	1	1
29-Jan-01	09:00:00 AM	6409	14.00	11.30	4.20	0.95	-0.04	48	CLD	Light	1	2
29-Jan-01	06:30:00 PM	2667					0.00		NIT	Light	2	1
30-Jan-01	09:00:00 AM	6657	13.00	11.60	4.00	0.00	0.05	47	CLR	Medium	1	2
30-Jan-01	06:30:00 PM	2694					-0.04		NIT	Light	1	1
31-Jan-01	09:15:00 AM	6580	14.60	14.00	3.90	1.20	-0.04	47	FOG	Medium	1	1
31-Jan-01	07:00:00 PM	2828					-0.03		NIT	Medium	1	1
01-Feb-01	09:45:00 AM	6783	13.30	12.00	3.90	0.00	-0.03	47	CLR	Medium	1	2
01-Feb-01	07:00:00 PM	2576					0.00		NIT	Medium	1	1
02-Feb-01	09:15:00 AM	6150	15.00	11.00	3.70	0.60	0.00	48	FOG	Medium	1	2
02-Feb-01	07:00:00 PM	8778					-0.04		NIT	Medium	2	1
03-Feb-01	08:30:00 AM	3495	15.30	12.30	4.00	0.00	0.00	47	CLR	Light	1	2
03-Feb-01	07:00:00 PM	2786					0.00		NIT	Light	2	1
03-Feb-01	08:30:00 PM	3187					0.00		NIT	Light	1	2
03-Feb-01	10:00:00 PM	3585					0.00	45	NIT	Light	1	2
03-Feb-01	10:30:00 PM	3681					0.00	44	NIT	Light	1	2
04-Feb-01	08:45:00 AM	6131	15.00	11.20	3.90	0.50	0.00	47	CLR	Medium	1	2
04-Feb-01	07:00:00 PM	2712					0.20	50	NIT	Medium	1	1
05-Feb-01	09:00:00 AM	5952	15.60	11.60	4.20	0.00	-0.04	48	CLR	Light	1	2
05-Feb-01	07:15:00 PM	2643					-0.04		NIT	Medium	1	1
06-Feb-01	08:30:00 AM	3240	0.00	11.30	3.30	0.00	0.00	49	CLR	Light	3	2
06-Feb-01	07:15:00 PM	2764					-0.02		NIT	Heavy	1	1
07-Feb-01	09:00:00 AM	6296	14.30	11.60	4.10	0.05	-0.04	48	CLR	Heavy	1	2
07-Feb-01	08:00:00 PM	2408					-0.01		NIT	VeryHeavy	4	3
08-Feb-01	09:30:00 AM	3448	14.00	11.60	4.30	0.00	-0.04	46	CLR	Heavy	1	2
08-Feb-01	07:45:00 PM	2745					-0.05		NIT	Light	1	1
09-Feb-01	09:00:00 AM	2796	16.30	11.30	4.20	0.20	-0.03	47	CLD	Light	1	2
09-Feb-01	07:00:00 PM	2420					-0.01		NIT	Heavy	1	1
10-Feb-01	09:00:00 AM	5628	15.60	12.60	4.20	0.00	-0.03	46	RAN	Light	1	2
10-Feb-01	08:00:00 PM	2875					0.02		NIT	Light	1	1
11-Feb-01	09:00:00 AM	5658	16.30	12.60	3.90		0.02	48	RAN	Light	1	2
11-Feb-01	07:45:00 PM	2368					0.26		NIT	Heavy	1	1
12-Feb-01	09:30:00 AM	3738	46.60	14.00	4.20	8.20	0.20	46	CLD	Heavy	1	2

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Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
12-Feb-01	04:30:00 PM	1585					0.10		CLR	Medium	1	1
12-Feb-01	07:30:00 PM	2062				6.60	0.20		NIT	Light	1	2
12-Feb-01	09:30:00 PM	2856					0.14		NIT	Light	1	2
12-Feb-01	10:15:00 PM	2952					0.10		NIT	Light	1	2
13-Feb-01	12:45:00 AM	3561					0.00	46	NIT	Light	1	1
13-Feb-01	02:45:00 AM	4070					0.00		NIT	Light	1	2
13-Feb-01	03:45:00 AM	4370					0.00		NIT	Light	1	2
13-Feb-01	08:30:00 AM	5544	14.60	11.60	4.20	4.10	0.12	46	CLD	Light	1	2
13-Feb-01	07:30:00 PM	2772					0.12		NIT	Light	1	1
14-Feb-01	09:15:00 AM	6048	16.30	11.50	3.80	0.80	0.00	47	CLR	Light	1	2
14-Feb-01	07:00:00 PM	2526					0.00		NIT	Light	1	1
15-Feb-01	09:00:00 AM	6017	15.30	13.30	4.20	0.90	0.00	47	CLR	Light	1	2
15-Feb-01	07:30:00 PM	2644					-0.03		NIT	Light	1	1
16-Feb-01	09:15:00 AM	6115	15.60	12.30	3.90	0.55	-0.05	48	CLR	Medium	1	2
16-Feb-01	07:15:00 PM	1120					-0.05		NIT	Light	1	1
17-Feb-01	09:00:00 AM	1090	15.30	12.00	3.40	0.00	-0.04	50	CLR	Light	1	2
17-Feb-01	07:30:00 PM	1108					-0.05		NIT	Medium	2	1
18-Feb-01	08:45:00 AM	3192	15.60	12.00	4.20	0.00	0.00	50	RAN	Light	1	2
18-Feb-01	07:45:00 PM	2564					0.00		NIT	Light	1	1
19-Feb-01	09:30:00 AM	5241	15.60	11.30	4.10	0.00	-0.03	48	CLD	Light	1	2
19-Feb-01	06:30:00 PM	2194					-0.02		RAN	Medium	1	1
20-Feb-01	10:00:00 AM	5710	18.00	13.30	4.00	0.55	0.04	50	CLD	Heavy	1	2
20-Feb-01	06:30:00 PM	418					0.00		NIT	Light	1	1
21-Feb-01	09:30:00 AM	3249	17.00	12.60	3.80	0.90	0.00	52	CLD	Medium	1	2
21-Feb-01	07:00:00 PM	2020				4.10	-0.01	51	NIT	Medium	1	1
22-Feb-01	09:00:00 AM	5524	16.60	12.60	3.90	0.80	-0.05	50	RAN	Light	1	2
22-Feb-01	07:45:00 PM	2525					0.00		NIT	Medium	1	1
23-Feb-01	08:45:00 AM	5559	17.00	13.00	4.40	1.30	0.04	48	CLD	Light	1	2
23-Feb-01	09:45:00 PM	3020							NIT	Light	1	1
23-Feb-01	08:00:00 PM	2397					0.04		NIT	Light	1	2
23-Feb-01	11:15:00 PM	3352							NIT	Light	1	2
24-Feb-01	07:15:00 PM	1622					0.60		NIT	Medium	1	1
24-Feb-01	10:45:00 AM	5896	17.00	14.00	4.20	2.50	0.10	48	RAN	Light	1	2
25-Feb-01	09:00:00 AM	1597	0.00	13.00	4.20	14.00	0.25	50	CLR	Medium	3	2
25-Feb-01	07:45:00 PM	2475					0.10		NIT	Light	1	1

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Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
26-Feb-01	09:15:00 AM	5590	16.30	16.00	4.00	3.50	-0.02	50	CLR	Medium	1	2
26-Feb-01	07:45:00 PM	2811					-0.02		NIT	Medium	1	1
27-Feb-01	07:15:00 PM	2670					-0.02		NIT	Light	1	1
27-Feb-01	09:00:00 AM	5952	14.30	12.60	3.90	1.60	-0.04	50	FOG	Medium	1	2
28-Feb-01	08:30:00 AM	6080	15.00	12.30	3.80	0.15	-0.03	50	CLR	Heavy	1	2
28-Feb-01	08:00:00 PM	3085					0.00		NIT	Medium	1	1
01-Mar-01	07:30:00 PM	3141					0.20		NIT	Light	1	1
01-Mar-01	08:30:00 AM	6444	13.60	11.60	4.10	1.90	-0.10	48	CLR	Light	1	2
02-Mar-01	10:15:00 AM	6969	16.00	13.00	4.10	4.80	0.00	52	RAN	Light	1	2
02-Mar-01	08:45:00 PM	2872					-0.03		NIT	Medium	1	1
03-Mar-01	08:45:00 AM	5749	14.00	11.60	4.20	1.00	0.00	48	CLR	Medium	1	2
03-Mar-01	07:00:00 PM	2875					-0.02		NIT	Medium	1	1
04-Mar-01	08:00:00 PM	3117					0.15		NIT	Heavy	1	1
04-Mar-01	08:15:00 AM	6555	13.60	12.60	4.00	3.00	0.00	51	RAN	Medium	1	2
05-Mar-01	07:45:00 PM	2126					0.80		RAN	Medium	1	1
05-Mar-01	09:15:00 AM	5780	25.00	14.00	4.60	26.00	0.61	50	RAN	Medium	1	2
06-Mar-01	09:30:00 PM	119					0.10		NIT	Medium	1	1
06-Mar-01	09:30:00 AM	5162	16.30	11.00	4.20	12.00	0.30	51	CLD	Medium	2	2
07-Mar-01	09:00:00 AM	611	13.00	11.30	4.30	4.70	0.10	51	CLD	Medium	1	2
07-Mar-01	09:30:00 PM	3319					0.02		NIT	Light	1	1
08-Mar-01	09:45:00 PM	3960					0.00		NIT	Medium	1	1
08-Mar-01	08:15:00 AM	6555	12.60	12.20	3.50	2.80	0.05	52.5	CLR	Light	1	2
09-Mar-01	08:15:00 AM	6765	12.44	11.70	3.80	7.10	0.00	52	CLD	Light	1	2
09-Mar-01	08:00:00 PM	3306					0.00		NIT	Medium	1	1
10-Mar-01	07:30:00 PM	3060					0.00		NIT	Light	1	1
10-Mar-01	08:30:00 AM	6890	12.90	11.48	4.24	2.50	0.02	51	CLR	Light	1	2
11-Mar-01	08:30:00 PM	2907					0.00		NIT	Light	1	1
11-Mar-01	08:30:00 AM	6678	12.70	10.70	4.20	0.60	-0.04	52	CLR	Light	1	2
11-Mar-01	10:45:00 PM	3674					0.00		NIT	Light	1	1
11-Mar-01	09:30:00 PM	3390					0.00		NIT	Light	1	1
12-Mar-01	08:30:00 AM	6425	12.70	11.70	4.10	0.80	-0.04	50	CLR	Light	1	2
12-Mar-01	08:00:00 PM	3078					0.00		NIT	Light	1	1
13-Mar-01	08:30:00 PM	3026					-0.04		NIT	Light	1	1
13-Mar-01	08:30:00 AM	6532	14.30	12.00	4.10	4.20	-0.04	51	CLR	Light	1	2
14-Mar-01	08:00:00 PM						-0.02		NIT	Medium	1	1

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Date	Time Trap Checked	Time/ Rev Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
14-Mar-01	09:45:00 AM	2162	39.00	39.00	1.50	1.70	0.10	58	CLR	Light	1	2
14-Mar-01	08:30:00 AM		15.30	12.00	4.20	0.25	-0.04	53	CLR	Light	1	2
15-Mar-01	08:45:00 AM		15.70	12.30	3.90	0.10	-0.04	53	CLR	Light	1	2
15-Mar-01	09:30:00 PM	3033					-0.03		NIT	Medium	2	1
16-Mar-01	08:45:00 AM	5909	15.30	12.00	4.10	0.00	-0.04	53	CLR	Light	1	2
16-Mar-01	07:00:00 PM	2640					0.00		NIT	Heavy	1	1
17-Mar-01	08:45:00 AM	5576	17.70	12.60	3.80	0.70	-0.06	53	CLR	Heavy	1	2
18-Mar-01	07:15:00 PM	2566					0.00		NIT	Light	1	2
18-Mar-01	08:15:00 AM	5391	17.00	12.30	3.60	0.10	0.00	54	CLR	Medium	1	2
19-Mar-01	09:30:00 AM	5727	17.00	13.00	3.80	0.00	-0.09	55	CLR	Heavy	1	2
19-Mar-01	07:30:00 PM	2284					0.00		NIT	Light	1	1
20-Mar-01	09:15:00 AM	5068	19.00	16.30	3.70	0.50	0.20	58	CLR	Medium	1	2
20-Mar-01	09:15:00 PM	2667					0.20		NIT	Medium	1	1
21-Mar-01	08:30:00 AM	5041	17.30	12.70	4.10	0.00	0.21	58	CLR	Medium	1	2
21-Mar-01	09:15:00 PM	2696					0.20		NIT	Heavy	1	1
21-Mar-01	10:15:00 PM	3003					0.20		NIT	Light	1	2
21-Mar-01	11:15:00 PM	3347					0.20		NIT	Light	1	2
22-Mar-01	08:45:00 AM	5319	18.40	13.00	3.68	2.20	0.21	57	CLR	Heavy	1	2
22-Mar-01	09:30:00 PM	2643					0.22		NIT	Heavy	1	1
23-Mar-01	08:15:00 AM	4740	19.50	14.40	4.10		0.34	56	CLR	Medium	2	2
23-Mar-01	07:30:00 PM	2301					0.25		NIT	Medium	1	1
24-Mar-01	12:15:00 PM	5358	23.30	13.70	4.00	0.00	0.20	58	CLR	Medium	1	2
24-Mar-01	07:30:00 PM	1622					0.20		NIT	Medium	1	1
25-Mar-01	08:45:00 PM	2415					0.25		NIT	Heavy	1	1
25-Mar-01	11:00:00 PM	2885					0.25		NIT	Light	1	2
25-Mar-01	08:00:00 AM	3943	20.00	15.30	3.60	0.00	0.22	58	CLR	Medium	1	2
25-Mar-01	10:15:00 PM	2733					0.25		NIT	Light	1	2
26-Mar-01	08:00:00 AM	4556	20.70	13.00	4.20	0.15	0.20	56.5	CLR	Light	1	2
26-Mar-01	07:15:00 PM	2258					0.20		NIT	Heavy	2	1
27-Mar-01	09:30:00 PM	2787					0.25		NIT	Heavy	1	1
27-Mar-01	08:45:00 AM	5068	19.00	11.30	4.00	0.55	0.22	58	CLR	Heavy	1	2
28-Mar-01	09:00:00 PM	1964					0.23		NIT	Heavy	1	1
28-Mar-01	12:15:00 PM	5587	21.00	12.10	3.90	1.60	0.22	60	CLR	Heavy	1	2
29-Mar-01	09:45:00 PM	2140					0.21		NIT	Heavy	1	1
29-Mar-01	11:00:00 AM	4915	18.70	13.30	4.10	0.15	0.24	58	CLR	Heavy	1	2

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Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
30-Mar-01	11:30:00 AM	4917	21.00	14.00	4.20	0.15	0.28	58	CLR	Medium	1	2
30-Mar-01	09:30:00 PM	2248					0.30		NIT	Medium	1	1
30-Mar-01	10:45:00 PM						0.38		NIT	Light	1	1
31-Mar-01	08:30:00 AM	4450	22.70	12.70	4.60	0.40	0.60	56	CLR	Heavy	1	2
31-Mar-01	08:00:00 PM	3428					0.60		NIT	Medium	1	1
01-Apr-01	09:00:00 PM	925					0.62		NIT	Heavy	1	1
01-Apr-01	08:30:00 AM	335663	26.30	14.30	4.60	1.30	0.60	56	CLR	Light	1	2
02-Apr-01	09:00:00 AM	2645	12.00	12.00	4.20	0.95	0.60	54	CLR	Heavy	1	2
02-Apr-01	07:45:00 PM	2580					0.60		NIT	Medium	1	1
03-Apr-01	09:15:00 AM	5625	14.30	12.30	4.50	0.85	0.60	52	CLR	Medium	1	2
04-Apr-01	06:00:00 PM	2590					2.50	0.60	NIT	Light	1	1
04-Apr-01	09:00:00 AM	5452	16.70	14.30	4.30	1.00	0.58	52	CLR	Heavy	1	2
05-Apr-01	08:30:00 AM	5764	16.30	13.70	4.40		0.82	52	CLR	Medium	1	2
05-Apr-01	08:00:00 PM	2673					0.85		NIT	Light	1	1
06-Apr-01	08:00:00 PM	2300					0.83		NIT	Light	1	1
06-Apr-01	09:00:00 AM		18.80	16.70	4.74	0.15	0.85	53.5	CLD	Medium	1	2
07-Apr-01	07:45:00 PM	2675					0.88		CLD	Medium	1	1
07-Apr-01	08:15:00 AM	5017	17.00	13.30	4.90	1.10	0.95	51	CLD	Medium	1	2
08-Apr-01	08:00:00 AM	5633	15.10	13.30	3.79	1.30	0.88	52	CLR	Medium	1	2
08-Apr-01	07:45:00 PM	2858					0.90		NIT	Light	1	1
09-Apr-01	09:15:00 AM	6071	15.00	13.30	4.60	0.60	0.90	52	CLR	Light	1	2
09-Apr-01	10:00:00 PM	3052					0.85		NIT	Light	1	1
10-Apr-01	12:45:00 PM	6710	15.30	14.30	4.80	0.00	0.89	54	CLR	Medium	1	2
10-Apr-01	08:45:00 PM	1925					0.80		NIT	Light	1	1
11-Apr-01	11:45:00 AM	5480	15.70	14.30	4.70	0.55	0.85	53.5	CLD	Light	1	2
11-Apr-01	09:30:00 PM	2370					0.80	53	NIT	Light	1	2
11-Apr-01	08:15:00 PM	2094					0.80		NIT	Medium	1	1
11-Apr-01	10:45:00 PM	2673					0.80	53	NIT	Light	1	2
12-Apr-01	12:15:00 PM	5900	15.10	13.70	3.60	0.00	0.86	53	CLR	Medium	1	2
12-Apr-01	07:45:00 PM	1917					1.80		NIT	Medium	1	1
13-Apr-01	10:15:00 AM	5362	15.30	13.30	4.43		0.80	52	CLR	Medium	1	2
13-Apr-01	08:30:00 PM	2453					0.87		NIT	Medium	1	1
14-Apr-01	08:00:00 AM	5340	15.00	14.00	5.10	0.55	0.85	50	CLR	Light	1	2
14-Apr-01	10:00:00 PM	3175					0.89		NIT	Medium	1	1
15-Apr-01	10:00:00 AM	6371	15.00	13.30	4.24	1.70	0.81	54	CLR	Medium	1	2

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Date	Time Trap Checked	Time/ Rev Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
15-Apr-01	10:30:00 PM	3010					0.86		NIT	Medium	1	1
16-Apr-01	09:15:00 PM	2873					0.90		NIT	Light	1	1
16-Apr-01	09:30:00 AM	5785	16.00	13.00	4.20	0.40	0.90	54	CLR	Medium	1	2
17-Apr-01	09:00:00 AM	5664	15.00	13.00	5.00	1.80	0.87	54	CLR	Medium	1	2
17-Apr-01	08:00:00 PM	2880					0.87		NIT	Medium	1	1
18-Apr-01	08:00:00 PM	2200					1.50		CLD	Heavy	1	1
18-Apr-01	11:00:00 AM		15.00	13.30	5.10	0.75	0.82	56	CLR	Medium	1	2
19-Apr-01	08:30:00 PM	1587					2.80		NIT	Medium	1	2
19-Apr-01	02:45:00 PM	1048							CLD	Heavy	1	1
19-Apr-01	09:45:00 PM	1990					2.80	56	NIT	Light	1	2
19-Apr-01	09:00:00 AM	2998	50.00	39.60	2.70	1.00	2.80	52	RAN	Heavy	1	2
20-Apr-01	08:45:00 AM	5372	13.30	11.70	4.00	2.20	2.86	52	RAN	Medium	1	2
20-Apr-01	08:00:00 PM	3258					2.92		RAN	Medium	1	1
21-Apr-01	11:00:00 AM	7300	13.00	10.30	4.09	0.95	2.80	52	CLD	Medium	1	2
22-Apr-01	08:00:00 PM	336705					2.85		NIT	Medium	2	1
22-Apr-01	08:30:00 AM	6646	12.00	11.00	4.58	0.25	2.80	53	CLR	Medium	1	1
23-Apr-01	08:45:00 AM	3962	12.00	10.30	4.40	0.55	2.80	52	CLR	Medium	1	2
23-Apr-01	09:30:00 PM	4284					2.72		NIT	Medium	1	1
24-Apr-01	09:15:00 AM	7785	12.00	10.00	4.40	0.45	2.60	54	CLR	Medium	1	2
24-Apr-01	09:45:00 PM	4076					2.80		NIT	Light	1	1
24-Apr-01	11:30:00 PM	4893					2.60		NIT		1	2
24-Apr-01	11:00:00 PM	4555					2.60	56	NIT	Light	1	2
25-Apr-01	11:45:00 AM	9028	10.30	10.00	4.30	0.90	2.61	56	CLR		1	2
25-Apr-01	08:00:00 PM	2670					2.61		NIT	Light	1	1
26-Apr-01	01:00:00 PM	8009			4.70	0.40	2.80	56	CLR	Medium	1	2
26-Apr-01	08:30:00 PM	2844					2.80		NIT	Light	1	1
27-Apr-01	09:00:00 AM	7003	12.70	12.00	4.20	0.30	2.82	52	CLR	Medium	1	2
27-Apr-01	08:15:00 PM	3849					2.80		NIT	Light	1	1
28-Apr-01	08:30:00 AM	7749	11.30	10.70	4.29	0.15	2.80	54	CLD	Medium	1	2
28-Apr-01	08:00:00 PM	3647					2.80		NIT	Light	1	1
29-Apr-01	08:00:00 AM	3647	11.30	11.00	3.61	0.65	2.87	53	CLR	Medium	1	2
29-Apr-01	08:00:00 PM	3529					2.88		NIT	Medium	1	1
30-Apr-01	10:00:00 PM	3758					2.86		NIT	Medium	1	1
30-Apr-01	09:00:00 AM	7491	13.00	11.30	4.50	0.75	2.90	58	CLR	Medium	1	2
01-May-01	08:45:00 AM	7332	12.00	10.70	4.50	0.00	2.82	56	CLR	Medium	1	2

Oakdale 2001: Environmental and Physical Data

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
01-May-01	08:45:00 PM	3592					2.86		NIT	Heavy	1	1
02-May-01	10:45:00 PM	3746					2.90		NIT	Heavy	4	1
02-May-01	08:30:00 AM	7058	12.70	11.30	4.20	0.90	2.86	56	CLR	Medium	1	2
03-May-01	08:30:00 AM	7371	12.00	10.70	3.50	0.40	2.83	59	CLR	Heavy	1	2
03-May-01	09:15:00 PM	3753					2.90		NIT	Medium	1	1
04-May-01	08:15:00 AM	7129	12.70	11.30	4.40	0.00	2.85	50	CLR	Medium	1	2
04-May-01	09:15:00 PM	3726					2.90		NIT	Medium	1	1
05-May-01	09:00:00 AM	7265	12.00	11.60	3.60	1.30	2.86	50	CLR	Light	1	2
05-May-01	09:30:00 PM	3541					2.90		NIT	Light	1	1
06-May-01	07:45:00 AM	6595	12.78	11.40	3.06	1.60	2.90	52	CLR	Medium	1	2
06-May-01	08:00:00 PM	3465					2.86		NIT		1	1
07-May-01	11:15:00 AM	7709	13.30	12.30	3.90	0.15	2.87	52	CLR	Medium	1	2
07-May-01	10:00:00 PM	3052					2.85		NIT	Light	1	1
08-May-01	10:45:00 PM	2617					2.85	54	NIT	Light	1	2
08-May-01	09:15:00 PM	2307					2.85		NIT	Medium	1	1
08-May-01	12:30:00 PM	7047	13.70	12.20		0.00	2.85	52	CLR	Medium	1	2
09-May-01	10:00:00 PM	3445					2.85		NIT	Medium	1	1
09-May-01	08:45:00 AM	5325	14.00	12.30	3.90	0.60	2.84	52	CLR	Light	1	2
10-May-01	11:15:00 AM	6886	16.00	14.00	3.00	0.40	2.86	54	CLR	Medium	1	2
10-May-01	09:45:00 PM	2431					2.84		NIT	Medium	1	1
11-May-01	09:15:00 PM	3247					2.90		NIT	Light	1	1
11-May-01	08:15:00 AM	5437	15.70	13.00	3.40	0.25	2.86	54	CLR	Light	1	2
12-May-01	08:30:00 AM	6008	14.00	12.30	3.40	1.60	2.87	52	CLD	Medium	1	2
12-May-01	09:00:00 PM	3448					2.84		NIT	Heavy	1	1
13-May-01	10:45:00 AM	7058	14.00	12.70	4.25	2.80	2.86	51.5	CLR	Medium	1	2
13-May-01	09:45:00 PM	2725					2.90		NIT	Medium	1	1
14-May-01	09:00:00 AM	5598	15.70	14.00	3.70	0.10	2.89	51	CLR	Light	1	2
14-May-01	09:00:00 PM	3019					2.87		NIT	Medium	1	1
15-May-01	08:30:00 AM	5843	15.30	13.30	3.50	0.80	2.90	51	CLD	Medium	1	2
15-May-01	09:00:00 PM	3270					2.87		NIT	Medium	1	1
16-May-01	08:30:00 AM	6010	14.30	13.70	2.40	0.05	2.90	51	CLR	Medium	1	2
16-May-01	09:15:00 PM	3097					2.95		NIT	Medium	1	1
17-May-01	10:30:00 AM	6083	16.30	12.70	4.00	0.25	2.95	51	CLR	Light	1	2
17-May-01	09:45:00 PM	2660					2.90		NIT	Light	1	1
18-May-01	10:45:00 AM	5775	15.30	13.00	4.40	0.65	2.91	51	CLR	Light	1	2

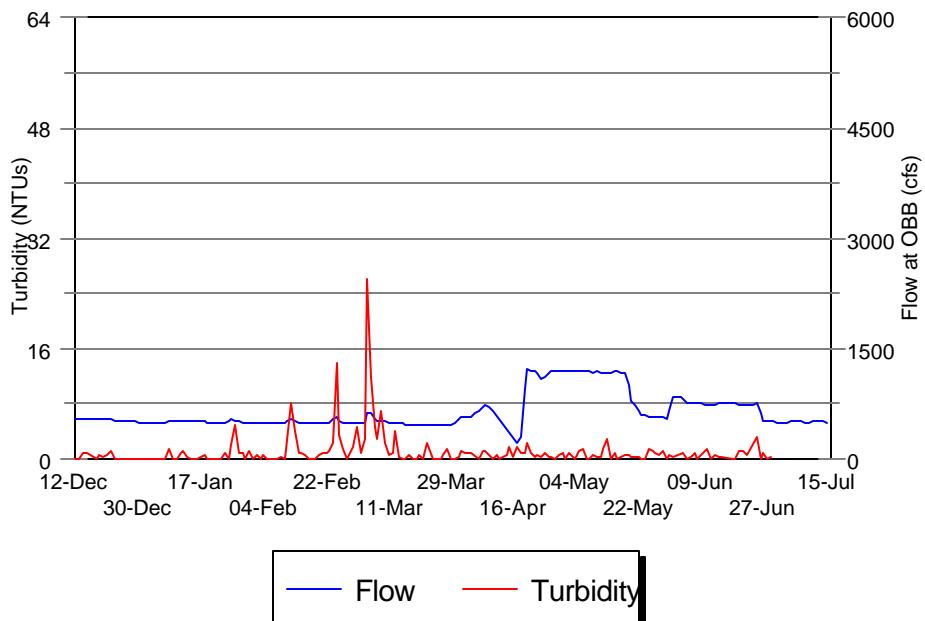
Oakdale 2001: Environmental and Physical Data

Date	Time Trap Checked	Time/ Rev Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
18-May-01	10:00:00 PM	2603					2.90		NIT	Light	1	1
19-May-01	10:15:00 AM	5381	16.00	13.70	3.20	0.50	2.62	51	CLR	Light	1	2
19-May-01	09:45:00 PM	0					2.30		NIT	Medium	1	1
20-May-01	10:00:00 PM	2859					1.98		NIT	Medium	1	1
20-May-01	10:00:00 AM	0	15.30	14.00	3.30	0.45	2.10	52	CLR	Light	1	2
21-May-01	09:00:00 AM	5971	14.70	12.30	4.20	0.45	1.65	52	CLR	Medium	1	2
21-May-01	09:15:00 PM	3357					1.31		NIT	Medium	1	1
22-May-01	11:15:00 PM	4482							NIT		1	2
22-May-01	09:15:00 PM	3833					0.92		NIT	Heavy	1	1
22-May-01	11:30:00 PM	4656							NIT		1	2
22-May-01	08:30:00 AM	6696	13.00	11.67	4.30	0.30	1.21	53	CLR	Medium	1	2
23-May-01	09:00:00 AM	7414	12.90	11.50	4.21	0.10	1.00	54	CLR	Light	1	2
23-May-01	08:30:00 PM	2967					0.88		NIT	Heavy	1	1
23-May-01	10:45:00 PM	3785							NIT	Light	1	2
23-May-01	10:15:00 PM	3562							NIT	Light	1	2
24-May-01	08:30:00 PM	2193					0.85		NIT	Heavy	1	1
24-May-01	08:30:00 AM	6485	13.00	11.67	4.20	0.05	0.96	53	CLR	Medium	1	2
25-May-01	08:30:00 AM	2193	13.67	12.33	4.30	1.50	0.80	55	CLR	Light	2	2
25-May-01	07:30:00 PM						0.82		CLR	Light	1	1
26-May-01	07:45:00 PM	2655					1.00		NIT	Medium	1	2
26-May-01	10:30:00 AM	4417	14.30	10.70	4.10	1.10	1.00	58	CLR	Medium	1	2
27-May-01	08:00:00 AM	2701	11.70	10.30	4.20	0.80	0.90	53	CLR	Medium	1	2
27-May-01	09:45:00 PM	1998					1.00		NIT	Medium	3	1
28-May-01	10:15:00 AM	2154	12.00	10.30	4.90	0.60	0.91	52	CLR	Medium	1	2
29-May-01	08:30:00 AM	7271	12.00	10.70	4.51	1.20	0.90	52	CLR	Heavy	1	1
30-May-01	10:45:00 AM	7858	13.70	11.30	4.60	0.05	0.99	53	CLR	Medium	1	1
31-May-01	12:45:00 PM		12.70	11.70	4.30	0.55	8.20	57	CLR	Heavy	2	1
01-Jun-01	11:15:00 AM	5744	16.30	13.30	4.20	0.30	1.00	56	CLR	Medium	1	3
02-Jun-01	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s
03-Jun-01	07:00:00 PM						2.00		NIT		0	
04-Jun-01	11:45:00 AM	5330	10.30			0.75	1.00	54	CLR	Heavy	1	1
05-Jun-01	12:00:00 PM	8405	10.30	9.70	3.97	0.00	0.78	54	CLR	Medium	1	1
06-Jun-01	11:00:00 AM	7849	11.00	10.00	3.80	0.40	0.78	58	CLR	Heavy	1	1
07-Jun-01	09:00:00 AM	2044	10.30	10.40	3.70	1.00	0.76	58	CLR	Heavy	3	1
08-Jun-01	08:30:00 AM		13.00	12.00	5.00	0.15	0.76	59	CLR	Heavy	1	3

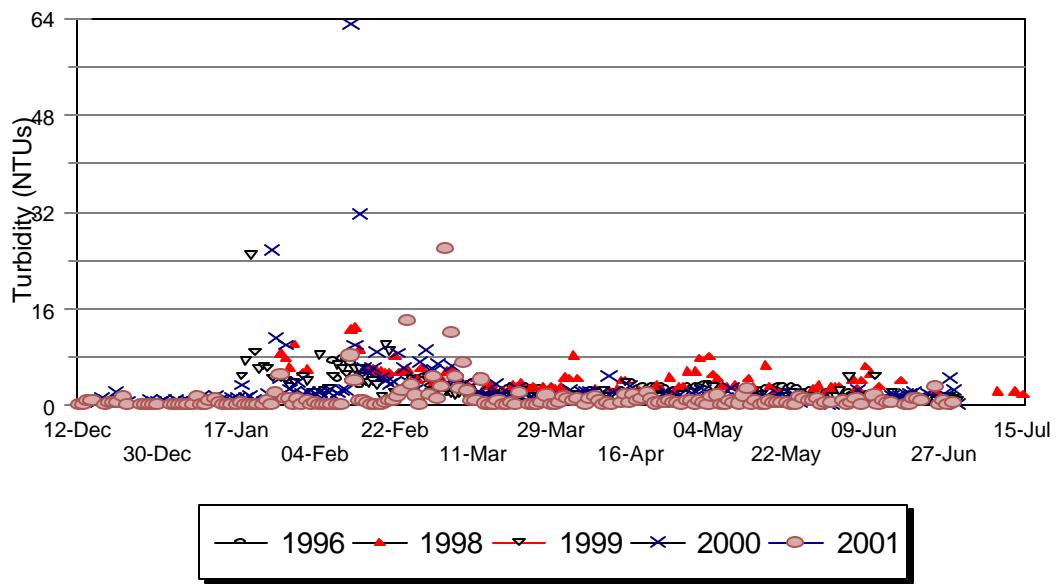
Oakdale 2001: Environmental and Physical Data

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
09-Jun-01	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s
10-Jun-01	07:30:00 PM								NIT		4	0
11-Jun-01	10:15:00 AM	4146	12.00	10.30	4.80	1.60	0.78	58	CLR	Medium	2	1
12-Jun-01	11:00:00 AM	7020	11.00	10.30	4.70	0.00	0.77	58	CLR	Heavy	1	1
13-Jun-01	10:30:00 AM	6541	13.00	11.30	4.70	0.65	0.75	58	CLR	Heavy	1	1
14-Jun-01	10:30:00 AM	6368	13.30	12.30	4.90	0.40	0.75	58	CLR	Heavy	4	1
15-Jun-01	10:30:00 AM	7132	18.00	16.00	4.20	0.45	0.75	56	CLR	Medium	1	3
16-Jun-01	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s
17-Jun-01	07:45:00 PM								NIT			0
18-Jun-01	08:00:00 AM	3817	12.67	11.67	4.71	0.05	0.75	54	CLR	Medium	1	1
19-Jun-01	10:30:00 AM	5698	13.00	12.00	4.50	0.05	0.75	54	CLR	Medium	1	1
20-Jun-01	11:00:00 AM	7778	12.67	11.33	4.60	1.10	0.75	62	CLR	Heavy	1	1
21-Jun-01	08:15:00 AM		11.00	11.00	4.70	1.20	0.80	62	CLR	Medium	1	1
22-Jun-01	10:00:00 AM		18.67	16.33	4.30	0.70	0.74	62	CLR	Heavy	1	1
23-Jun-01	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s
24-Jun-01	08:45:00 PM						0.75	64	NIT		4	0
25-Jun-01	08:30:00 AM	3722	13.67	12.00	4.20	3.10	0.73	58	CLR	Medium	1	1
26-Jun-01	08:15:00 AM	7449	13.30	10.70	4.60	0.00	0.77	59.5	CLR	Heavy	2	1
27-Jun-01	08:15:00 AM	7683	13.30		4.60	0.80	0.77	58	CLD	Medium	2	1
28-Jun-01	08:15:00 AM	2265		11.30	4.30	0.00	0.75	59	CLR	Light	3	1
29-Jun-01	08:15:00 AM	8064	12.00	11.30	4.21	0.45	0.75	60	CLR	Medium	1	1

2001 River Flow at OBB and Turbidity at Oakdale



Comparison of Turbidity at Oakdale 1996, 1998, 1999, 2000 and 2001



Oakdale Data 1993 - 2001

95, 98 99, 01	96, 00 Leap	Year Date	Julian Date	Number Captured						
12-Dec	12-Dec	50	2							
13-Dec	13-Dec	50	0							
14-Dec	14-Dec	50	2							
15-Dec	15-Dec	50	4							
16-Dec	16-Dec	50	ns	25	-	-	-	-	-	-
17-Dec	17-Dec	51	ns	6	-	-	-	-	-	-
18-Dec	18-Dec	51	22	18	-	-	-	-	-	-
19-Dec	19-Dec	51	14	ns	-	-	-	-	-	-
20-Dec	20-Dec	51	16	9	-	-	-	-	-	-
21-Dec	21-Dec	51	13	11	-	-	-	-	-	-
22-Dec	22-Dec	51	37	2	-	-	-	-	-	-
23-Dec	23-Dec	51	57	7	-	-	-	-	-	-
24-Dec	24-Dec	52	ns	ns	-	-	-	-	-	-
25-Dec	25-Dec	52	ns	ns	-	-	-	-	-	-
26-Dec	26-Dec	52	48	ns	-	-	-	-	-	-
27-Dec	27-Dec	52	83	ns	-	-	-	-	-	-
28-Dec	28-Dec	52	70	50	-	-	-	-	-	-
29-Dec	29-Dec	52	72	25	-	-	-	-	-	-
30-Dec	30-Dec	52	43	15	-	-	-	-	-	-
31-Dec	31-Dec	52	ns	7	-	-	-	-	-	-
01-Jan	01-Jan	1	ns	ns	-	-	-	-	-	-
02-Jan	02-Jan	1	166	ns	-	-	-	-	-	-
03-Jan	03-Jan	1	269	89	-	-	-	-	-	-
04-Jan	04-Jan	1	524	205	-	-	-	-	-	-
05-Jan	05-Jan	1	357	193	-	-	-	-	-	-
06-Jan	06-Jan	1	291	271	-	-	-	-	-	-
07-Jan	07-Jan	1	116	226	-	-	-	-	-	-
08-Jan	08-Jan	2	23	212	-	-	-	-	-	-
09-Jan	09-Jan	2	40	238	-	-	-	-	-	-
10-Jan	10-Jan	2	97	903	-	-	-	-	-	-
11-Jan	11-Jan	2	92	535	-	-	-	-	-	-
12-Jan	12-Jan	2	62	16	-	-	-	-	-	-
13-Jan	13-Jan	2	952	230	-	-	-	-	-	-
14-Jan	14-Jan	2	79	232	-	-	-	-	-	-
15-Jan	15-Jan	3	1509	159	-	-	-	-	-	-
16-Jan	16-Jan	3	1095	181	-	-	-	-	-	-
17-Jan	17-Jan	3	843	193	-	-	-	-	-	-
18-Jan	18-Jan	3	894	146	337	-	-	-	-	-
19-Jan	19-Jan	3	244	712	893	-	-	-	-	-
20-Jan	20-Jan	3	314	153	59	-	-	-	-	-
21-Jan	21-Jan	3	1146	475	984	-	-	-	-	-
22-Jan	22-Jan	4	545	426	98	-	-	-	-	-
23-Jan	23-Jan	4	328	84	125	-	-	-	-	-
24-Jan	24-Jan	4	45	162	202	-	-	-	-	-
25-Jan	25-Jan	4	2567	28173	331	-	-	-	-	-
26-Jan	26-Jan	4	4172	22595	230	-	-	-	-	-
27-Jan	27-Jan	4	21440	5043	128	491	-	-	-	-

Oakdale Data 1993 - 2001

95, 98 99, 01	96, 00 Leap	Year	Julian	2001	2000	1999	1998	1996	1995	1993
Date	Date	Week	Number	Captured	Captured	Captured	Captured	Captured	Captured	Captured
28-Jan	28-Jan	4	5407	4722	226	2078	-	-	-	-
29-Jan	29-Jan	5	2059	3388	272	934	-	-	-	-
30-Jan	30-Jan	5	1553	279	306	346	-	-	-	-
31-Jan	31-Jan	5	1392	178	152	839	-	-	-	-
01-Feb	01-Feb	5	1730	2627	839	1027	-	-	-	-
02-Feb	02-Feb	5	1165	1515	777	1401	1046	-	-	-
03-Feb	03-Feb	5	987	1366	518	231	493	-	-	-
04-Feb	04-Feb	5	3489	81	480	ns	104	-	-	-
05-Feb	05-Feb	6	918	4627	425	ns	ND	-	-	-
06-Feb	06-Feb	6	692	2309	433	ns	5452	-	-	-
07-Feb	07-Feb	6	473	1727	207	ns	2289	-	-	-
08-Feb	08-Feb	6	4398	359	821	ns	595	-	-	-
09-Feb	09-Feb	6	318	513	746	ns	194	-	-	-
10-Feb	10-Feb	6	680	282	577	ns	222	-	-	-
11-Feb	11-Feb	6	221	1963	352	ns	1305	-	-	-
12-Feb	12-Feb	7	5707	2513	210	331	1449	-	-	-
13-Feb	13-Feb	7	50414	6868	284	538	1179	-	-	-
14-Feb	14-Feb	7	7144	8931	549	404	200	-	-	-
15-Feb	15-Feb	7	2153	2287	393	699	75	-	-	-
16-Feb	16-Feb	7	771	1466	516	377	112	-	-	-
17-Feb	17-Feb	7	244	815	421	291	196	-	-	-
18-Feb	18-Feb	7	804	1000	329	269	188	-	-	-
19-Feb	19-Feb	8	452	690	280	177	109	-	-	-
20-Feb	20-Feb	8	1012	182	463	342	18	-	-	-
21-Feb	21-Feb	8	1355	351	326	130	ND	-	-	-
22-Feb	22-Feb	8	980	840	341	193	ND	-	-	-
23-Feb	23-Feb	8	368	399	330	106	ND	-	-	-
24-Feb	24-Feb	8	905	543	202	193	65	-	-	-
25-Feb	25-Feb	8	591	287	166	63	71	-	-	-
26-Feb	26-Feb	9	6939	138	146	170	21	-	-	-
27-Feb	27-Feb	9	1181	158	123	139	51	-	-	-
28-Feb	28-Feb	9	172	238	150	126	47	-	-	-
x	29-Feb	9	x	23	x	x	22	x	x	x
01-Mar	01-Mar	9	950	73	127	131	49	-	-	-
02-Mar	02-Mar	9	85	44	271	105	ND	-	-	-
03-Mar	03-Mar	9	481	40	113	128	26	-	-	-
04-Mar	04-Mar	9	56	54	353	159	ND	-	-	-
05-Mar	05-Mar	10	3294	42	330	214	25	-	-	-
06-Mar	06-Mar	10	4944	26	221	156	34	-	-	-
07-Mar	07-Mar	10	2784	29	298	374	5	-	-	-
08-Mar	08-Mar	10	458	18	280	137	18	-	-	-
09-Mar	09-Mar	10	770	27	187	311	12	-	-	-
10-Mar	10-Mar	10	745	16	466	228	13	-	-	-
11-Mar	11-Mar	10	104	43	241	183	6	-	-	-
12-Mar	12-Mar	11	775	55	391	157	4	-	-	-
13-Mar	13-Mar	11	484	45	338	47	21	-	-	-
14-Mar	14-Mar	11	175	17	249	59	9	-	-	-

Oakdale Data 1993 - 2001

95, 98 99, 01	96, 00 Leap	2001	2000	1999	1998	1996	1995	1993
Date	Year Date	Julian Week	Number Captured	Number Captured	Number Captured	Number Captured	Number Captured	Number Captured
15-Mar	15-Mar	11	245	58	114	70	3	-
16-Mar	16-Mar	11	130	142	143	109	15	-
17-Mar	17-Mar	11	141	135	137	153	5	-
18-Mar	18-Mar	11	114	150	108	168	8	543
19-Mar	19-Mar	12	92	153	ns	147	10	653
20-Mar	20-Mar	12	279	86	92	27	3	392
21-Mar	21-Mar	12	151	57	150	8	3	330
22-Mar	22-Mar	12	121	106	209	12	3	268
23-Mar	23-Mar	12	114	198	69	17	4	243
24-Mar	24-Mar	12	250	82	ns	27	4	217
25-Mar	25-Mar	12	86	169	37	59	18	565
26-Mar	26-Mar	13	217	164	176	135	30	1062
27-Mar	27-Mar	13	71	73	170	73	77	616
28-Mar	28-Mar	13	92	29	144	103	79	692
29-Mar	29-Mar	13	101	27	78	104	149	474
30-Mar	30-Mar	13	103	9	43	127	238	197
31-Mar	31-Mar	13	66	17	35	107	284	140
01-Apr	01-Apr	13	90	41	84	67	262	75
02-Apr	02-Apr	14	66	66	92	52	200	104
03-Apr	03-Apr	14	85	55	39	78	332	133
04-Apr	04-Apr	14	49	47	58	65	265	103
05-Apr	05-Apr	14	62	37	38	47	248	113
06-Apr	06-Apr	14	28	46	26	46	249	77
07-Apr	07-Apr	14	9	41	49	154	188	67
08-Apr	08-Apr	14	63	36	56	49	160	295
09-Apr	09-Apr	15	50	58	114	17	104	242
10-Apr	10-Apr	15	62	41	116	23	135	314
11-Apr	11-Apr	15	65	44	72	10	114	239
12-Apr	12-Apr	15	114	28	110	27	79	62
13-Apr	13-Apr	15	126	16	132	20	129	74
14-Apr	14-Apr	15	178	4	110	30	239	95
15-Apr	15-Apr	15	161	15	127	17	158	115
16-Apr	16-Apr	16	185	15	88	14	118	24
17-Apr	17-Apr	16	223	17	69	31	212	66
18-Apr	18-Apr	16	82	21	41	33	155	22
19-Apr	19-Apr	16	20	39	27	37	295	46
20-Apr	20-Apr	16	121	45	16	38	194	22
21-Apr	21-Apr	16	73	15	3	51	152	39
22-Apr	22-Apr	16	68	7	26	46	340	54
23-Apr	23-Apr	17	169	5	14	34	315	36
24-Apr	24-Apr	17	225	14	23	20	297	42
25-Apr	25-Apr	17	327	15	57	42	415	48
26-Apr	26-Apr	17	199	12	69	36	704	47
27-Apr	27-Apr	17	185	12	49	91	584	21
28-Apr	28-Apr	17	200	7	265	114	727	27
29-Apr	29-Apr	17	245	10	156	103	686	19
30-Apr	30-Apr	18	338	9	75	125	655	20

Oakdale Data 1993 - 2001

95, 98 99, 01	96, 00 Leap	2001	2000	1999	1998	1996	1995	1993
Date	Year Date	Julian Week	Number Captured	Number Captured	Number Captured	Number Captured	Number Captured	Number Captured
01-May	01-May	18	471	10	64	141	619	20
02-May	02-May	18	338	8	126	49	248	33
03-May	03-May	18	436	8	36	124	496	-
04-May	04-May	18	561	5	154	76	426	69
05-May	05-May	18	452	10	179	88	566	28
06-May	06-May	18	307	6	218	130	556	35
07-May	07-May	19	339	5	196	286	Trap Out	34
08-May	08-May	19	444	14	152	302	Trap Out	41
09-May	09-May	19	315	23	195	160	Trap Out	49
10-May	10-May	19	232	10	89	318	Trap Out	22
11-May	11-May	19	125	10	106	432	Trap Out	-
12-May	12-May	19	58	21	143	208	Trap Out	78
13-May	13-May	19	119	17	168	159	Trap Out	-
14-May	14-May	20	165	5	137	281	218	76
15-May	15-May	20	89	1	142	568	192	27
16-May	16-May	20	84	7	110	398	14	38
17-May	17-May	20	63	15	123	352	92	65
18-May	18-May	20	98	46	103	278	132	75
19-May	19-May	20	52	46	120	220	101	36
20-May	20-May	20	114	41	118	118	148	82
21-May	21-May	21	311	27	230	ns	113	49
22-May	22-May	21	258	36	93	ns	108	-
23-May	23-May	21	587	12	113	ns	164	52
24-May	24-May	21	135	15	128	ns	176	27
25-May	25-May	21	53	4	76	ns	0	-
26-May	26-May	21	81	16	50	ns	94	27
27-May	27-May	21	64	ns	151	157	71	18
28-May	28-May	22	52	ns	231	100	110	13
29-May	29-May	22	55	ns	ns	82	81	34
30-May	30-May	22	83	28	ns	49	99	-
31-May	31-May	22	63	28	ns	236	16	11
01-Jun	01-Jun	22	94	59	63	91	56	12
02-Jun	02-Jun	22	ns	20	54	34	37	19
03-Jun	03-Jun	22	ns	ns	116	37	23	11
04-Jun	04-Jun	23	84	ns	133	162	8	35
05-Jun	05-Jun	23	48	0	73	64	9	5
06-Jun	06-Jun	23	50	3	53	112	4	17
07-Jun	07-Jun	23	2	4	76	16	27	4
08-Jun	08-Jun	23	18	8	41	24	38	15
09-Jun	09-Jun	23	ns	10	55	131	0	18
10-Jun	10-Jun	23	ns	ns	21	31	-	8
11-Jun	11-Jun	24	0	ns	26	29	-	4
12-Jun	12-Jun	24	29	5	ns	34	-	6
13-Jun	13-Jun	24	10	9	ns	6	-	8
14-Jun	14-Jun	24	0	15	19	123	-	21
15-Jun	15-Jun	24	4	15	21	28	-	7
16-Jun	16-Jun	24	ns	2	15	17	-	7

Oakdale Data 1993 - 2001

95, 98 99, 01	96, 00 Leap	2001	2000	1999	1998	1996	1995	1993
Date	Year Date	Julian Week	Number Captured	Number Captured	Number Captured	Number Captured	Number Captured	Number Captured
17-Jun	17-Jun	24	ns	9	26	0	-	2
18-Jun	18-Jun	25	5	4	16	5	-	4
19-Jun	19-Jun	25	3	14	ns	2	-	2
20-Jun	20-Jun	25	6	1	ns	14	-	3
21-Jun	21-Jun	25	9	4	17	ns	-	4
22-Jun	22-Jun	25	5	1	13	ns	-	3
23-Jun	23-Jun	25	ns	0	16	ns	-	3
24-Jun	24-Jun	25	ns	ns	28	ns	-	4
25-Jun	25-Jun	26	2	ns	30	8	-	0
26-Jun	26-Jun	26	0	1	ns	3	-	2
27-Jun	27-Jun	26	2	0	ns	ns	-	3
28-Jun	28-Jun	26	0	1	16	ns	-	2
29-Jun	29-Jun	26	9	0	30	0	-	0
30-Jun	30-Jun	26	-	1	27	0	-	-
01-Jul	01-Jul	26	-	-	-	3	-	-
02-Jul	02-Jul	27	-	-	-	2	-	-
03-Jul	03-Jul	27	-	-	-	1	-	-
04-Jul	04-Jul	27	-	-	-	ns	-	-
05-Jul	05-Jul	27	-	-	-	ns	-	-
06-Jul	06-Jul	27	-	-	-	ns	-	-
07-Jul	07-Jul	27	-	-	-	2	-	-
08-Jul	08-Jul	27	-	-	-	1	-	-
09-Jul	09-Jul	28	-	-	-	0	-	-
10-Jul	10-Jul	28	-	-	-	0	-	-
11-Jul	11-Jul	28	-	-	-	ns	-	-
12-Jul	12-Jul	28	-	-	-	ns	-	-
13-Jul	13-Jul	28	-	-	-	0	-	-
14-Jul	14-Jul	28	-	-	-	0	-	-
15-Jul	15-Jul	28	-	-	-	0	-	-

Oakdale Data 1993 - 2001

95, 98 99, 01	96, 00 Leap	Year	Julian	2001	2000	1999	1998	1996	1995	1993
Date	Date	Week	Length (mm)	Mean	Length (mm)	Mean	Length (mm)	Mean	Length (mm)	Mean
12-Dec	12-Dec	50	35.50	-	-	-	-	-	-	-
13-Dec	13-Dec	50	-	-	-	-	-	-	-	-
14-Dec	14-Dec	50	35.50	-	-	-	-	-	-	-
15-Dec	15-Dec	50	34.00	-	-	-	-	-	-	-
16-Dec	16-Dec	50	ns	33.92	-	-	-	-	-	-
17-Dec	17-Dec	51	ns	34.67	-	-	-	-	-	-
18-Dec	18-Dec	51	34.09	35.28	-	-	-	-	-	-
19-Dec	19-Dec	51	33.79	-	-	-	-	-	-	-
20-Dec	20-Dec	51	35.19	36.33	-	-	-	-	-	-
21-Dec	21-Dec	51	33.62	35.36	-	-	-	-	-	-
22-Dec	22-Dec	51	35.08	37.5	-	-	-	-	-	-
23-Dec	23-Dec	51	34.82	33.86	-	-	-	-	-	-
24-Dec	24-Dec	52	ns	-	-	-	-	-	-	-
25-Dec	25-Dec	52	ns	-	-	-	-	-	-	-
26-Dec	26-Dec	52	34.42	-	-	-	-	-	-	-
27-Dec	27-Dec	52	34.06	-	-	-	-	-	-	-
28-Dec	28-Dec	52	33.80	34.68	-	-	-	-	-	-
29-Dec	29-Dec	52	34.25	34.52	-	-	-	-	-	-
30-Dec	30-Dec	52	33.72	35.67	-	-	-	-	-	-
31-Dec	31-Dec	52	ns	34.14	-	-	-	-	-	-
01-Jan	01-Jan	1	ns	-	-	-	-	-	-	-
02-Jan	02-Jan	1	34.28	-	-	-	-	-	-	-
03-Jan	03-Jan	1	34.47	34.54	-	-	-	-	-	-
04-Jan	04-Jan	1	35.03	34.2	-	-	-	-	-	-
05-Jan	05-Jan	1	35.32	34.62	-	-	-	-	-	-
06-Jan	06-Jan	1	35.17	35.44	-	-	-	-	-	-
07-Jan	07-Jan	1	35.45	34.78	-	-	-	-	-	-
08-Jan	08-Jan	2	35.96	34.98	-	-	-	-	-	-
09-Jan	09-Jan	2	35.85	35.64	-	-	-	-	-	-
10-Jan	10-Jan	2	35.49	35.04	-	-	-	-	-	-
11-Jan	11-Jan	2	34.63	35.42	-	-	-	-	-	-
12-Jan	12-Jan	2	36.06	34.19	-	-	-	-	-	-
13-Jan	13-Jan	2	36.00	35.27	-	-	-	-	-	-
14-Jan	14-Jan	2	37.30	34.76	-	-	-	-	-	-
15-Jan	15-Jan	3	36.17	36.18	-	-	-	-	-	-
16-Jan	16-Jan	3	35.41	35.63	-	-	-	-	-	-
17-Jan	17-Jan	3	36.40	36.84	-	-	-	-	-	-
18-Jan	18-Jan	3	35.73	34.56	35	-	-	-	-	-
19-Jan	19-Jan	3	35.44	36.08	34.82	-	-	-	-	-
20-Jan	20-Jan	3	35.40	35.33	-	-	-	-	-	-
21-Jan	21-Jan	3	35.74	36.06	34.34	-	-	-	-	-
22-Jan	22-Jan	4	35.46	37.15	-	-	-	-	-	-
23-Jan	23-Jan	4	35.79	35.35	35.76	-	-	-	-	-
24-Jan	24-Jan	4	35.80	34.81	35.82	-	-	-	-	-
25-Jan	25-Jan	4	35.93	35.95	35	-	-	-	-	-
26-Jan	26-Jan	4	36.34	37.53	35.33	-	-	-	-	-
27-Jan	27-Jan	4	36.03	36.67	34.82	36.88	-	-	-	-

Oakdale Data 1993 - 2001

95, 98 99, 01	96, 00 Leap	Year	Julian	2001	2000	1999	1998	1996	1995	1993
Date	Date	Week	Length (mm)	Mean	Length (mm)	Mean	Length (mm)	Mean	Length (mm)	Mean
28-Jan	28-Jan	4	37.37	38.54	34.59	37.87	-	-	-	-
29-Jan	29-Jan	5	38.55	40.83	35.1	35.90	-	-	-	-
30-Jan	30-Jan	5	35.70	40.38	35.14	35.94	-	-	-	-
31-Jan	31-Jan	5	35.89	37.44	34.84	35.40	-	-	-	-
01-Feb	01-Feb	5	37.10	36.93	34.68	34.96	-	-	-	-
02-Feb	02-Feb	5	35.64	38.51	34.66	35.48	35.9	-	-	-
03-Feb	03-Feb	5	36.87	36.72	35.58	ns	34.7	-	-	-
04-Feb	04-Feb	5	36.34	36.02	35.36	ns	36.3	-	-	-
05-Feb	05-Feb	6	35.77	36.26	35.12	ns	-	-	-	-
06-Feb	06-Feb	6	36.06	37.35	35.1	ns	35.4	-	-	-
07-Feb	07-Feb	6	36.41	35.89	34.58	ns	-	-	-	-
08-Feb	08-Feb	6	35.64	35.68	35.26	ns	35.5	-	-	-
09-Feb	09-Feb	6	36.97	37.2	34.75	ns	37.2	-	-	-
10-Feb	10-Feb	6	37.23	35.47	35.86	ns	37.5	-	-	-
11-Feb	11-Feb	6	37.29	37.99	35.87	ns	-	-	-	-
12-Feb	12-Feb	7	36.16	36.54	35.63	38.75	35.4	-	-	-
13-Feb	13-Feb	7	35.74	35.49	35.23	35.18	-	-	-	-
14-Feb	14-Feb	7	37.29	37.29	34.76	36.64	-	-	-	-
15-Feb	15-Feb	7	35.65	37.04	35.58	35.22	-	-	-	-
16-Feb	16-Feb	7	36.07	36.59	36.56	37.00	-	-	-	-
17-Feb	17-Feb	7	36.60	37.07	33.82	36.45	-	-	-	-
18-Feb	18-Feb	7	35.84	35.94	35.62	37.12	-	-	-	-
19-Feb	19-Feb	8	35.86	35.72	35.84	36.39	36.2	-	-	-
20-Feb	20-Feb	8	35.79	36.22	35.24	36.50	-	-	-	-
21-Feb	21-Feb	8	36.43	37.09	34.42	36.16	-	-	-	-
22-Feb	22-Feb	8	35.83	35.57	37.34	36.02	-	-	-	-
23-Feb	23-Feb	8	35.94	35.44	36.44	36.22	-	-	-	-
24-Feb	24-Feb	8	35.94	35.86	34.92	37.32	-	-	-	-
25-Feb	25-Feb	8	36.44	37.26	35.7	37.96	-	-	-	-
26-Feb	26-Feb	9	36.00	39.1	35.78	38.92	34.9	-	-	-
27-Feb	27-Feb	9	36.06	36.93	35.65	40.04	-	-	-	-
28-Feb	28-Feb	9	37.81	36.77	35.45	39.60	-	-	-	-
x	29-Feb	9	x	49.2	x	x	37.6	x	x	x
01-Mar	01-Mar	9	39.17	37.2	35.75	37.62	-	-	-	-
02-Mar	02-Mar	9	37.17	36.73	36.15	36.44	-	-	-	-
03-Mar	03-Mar	9	38.28	38.98	38.38	36.55	-	-	-	-
04-Mar	04-Mar	9	36.55	37.59	36.81	42.34	-	-	-	-
05-Mar	05-Mar	10	37.63	36.71	36.1	46.61	37.3	-	-	-
06-Mar	06-Mar	10	35.84	41.54	36.54	41.22	-	-	-	-
07-Mar	07-Mar	10	41.57	40.07	38.02	47.06	41.8	-	-	-
08-Mar	08-Mar	10	41.26	46.17	45.22	46.86	41.6	-	-	-
09-Mar	09-Mar	10	39.87	39.11	40.84	50.64	45.8	-	-	-
10-Mar	10-Mar	10	42.13	43.44	41.12	50.24	41.8	-	-	-
11-Mar	11-Mar	10	43.74	41.25	43.49	46.17	49.3	-	-	-
12-Mar	12-Mar	11	43.72	46.81	38.26	47.68	42.5	-	-	-
13-Mar	13-Mar	11	39.39	50.27	47.71	50.65	40.9	-	-	-
14-Mar	14-Mar	11	43.85	49.53	43.73	41.96	55.5	-	-	-

Oakdale Data 1993 - 2001

95, 98 99, 01	96, 00 Leap	Year	Julian	2001	2000	1999	1998	1996	1995	1993
Date	Date	Week	Length (mm)	Mean	Length (mm)	Mean	Length (mm)	Mean	Length (mm)	Mean
15-Mar	15-Mar	11	43.10	50.55	43.86	51.56	41.7	-	-	-
16-Mar	16-Mar	11	47.59	49.3	41.06	65.40	42.5	-	-	-
17-Mar	17-Mar	11	48.96	49.91	40.16	59.10	47.0	-	-	-
18-Mar	18-Mar	11	49.00	52.56	44.66	57.72	65.9	-	-	-
19-Mar	19-Mar	12	41.14	51.77	-	57.49	45.4	60	-	-
20-Mar	20-Mar	12	41.76	52.57	42.87	41.15	47.5	56.9	-	-
21-Mar	21-Mar	12	47.63	60.33	42.87	47.50	45.7	61.7	-	-
22-Mar	22-Mar	12	45.44	57.36	44.18	56.92	67.0	-	-	-
23-Mar	23-Mar	12	53.04	58.18	52.58	57.00	90.0	ND	-	-
24-Mar	24-Mar	12	45.23	58.69	-	55.19	72.5	-	-	-
25-Mar	25-Mar	12	46.89	60.37	52.14	60.77	73.6	56.1	-	-
26-Mar	26-Mar	13	48.46	60.24	48.62	65.80	75.5	59.5	-	-
27-Mar	27-Mar	13	57.35	59.11	49.91	65.90	79.2	59.6	-	-
28-Mar	28-Mar	13	53.78	59.34	48.49	64.45	76.7	63.7	-	-
29-Mar	29-Mar	13	54.53	62.74	55.9	61.76	71.6	62.4	-	-
30-Mar	30-Mar	13	56.16	60.78	58.85	69.49	76.9	59.9	-	-
31-Mar	31-Mar	13	53.68	61.94	63.5	72.65	82.4	59.8	-	-
01-Apr	01-Apr	13	58.23	68.08	60.6	65.80	78.5	65.3	-	-
02-Apr	02-Apr	14	62.91	64.52	58.86	64.18	81.1	67.3	-	-
03-Apr	03-Apr	14	64.14	64.3	64.36	68.28	77.5	66.4	-	-
04-Apr	04-Apr	14	60.84	65.79	55.82	71.84	80.5	67.6	-	-
05-Apr	05-Apr	14	61.91	62.7	63.44	71.02	79.5	68.4	-	-
06-Apr	06-Apr	14	62.64	67.29	57.96	69.09	79.4	74.1	-	-
07-Apr	07-Apr	14	65.67	67.34	56.53	69.92	80.3	71.6	-	-
08-Apr	08-Apr	14	61.50	64.61	62.38	66.47	81.9	74.1	-	-
09-Apr	09-Apr	15	63.00	68.48	58.04	73.65	82.9	77.2	-	-
10-Apr	10-Apr	15	65.82	67.73	58.2	69.22	80.7	77.5	-	-
11-Apr	11-Apr	15	66.02	67.82	63.74	67.70	82.7	75.6	-	-
12-Apr	12-Apr	15	66.36	66.04	65.22	76.00	84.9	74.6	-	-
13-Apr	13-Apr	15	66.24	68.12	61.08	79.30	83.3	76.8	-	-
14-Apr	14-Apr	15	66.34	67	59.06	79.27	84.0	72.4	-	-
15-Apr	15-Apr	15	71.80	67.27	61.56	75.53	86.5	76.4	-	-
16-Apr	16-Apr	16	69.74	68.6	62.76	78.43	90.2	80.2	-	-
17-Apr	17-Apr	16	70.69	68.29	60.08	75.42	83.8	81.7	-	-
18-Apr	18-Apr	16	66.60	70.38	63.41	75.00	87.7	84.4	-	-
19-Apr	19-Apr	16	70.00	70.51	64.96	77.76	84.3	82.6	-	-
20-Apr	20-Apr	16	72.56	68.87	62	82.24	86.4	80.9	-	-
21-Apr	21-Apr	16	73.35	72.27	68.67	80.10	84.2	82.2	-	-
22-Apr	22-Apr	16	71.64	69.57	65.81	80.52	88.6	80.5	80.8	-
23-Apr	23-Apr	17	73.98	73.2	67.64	82.29	89.3	76.8	86	-
24-Apr	24-Apr	17	72.84	72.79	70.83	87.35	89.5	82.1	88.2	-
25-Apr	25-Apr	17	71.99	76.47	64.24	83.83	87.2	89.3	82.7	-
26-Apr	26-Apr	17	69.89	74.08	67.94	82.00	89.1	76.4	-	-
27-Apr	27-Apr	17	71.40	74.5	66.53	89.66	89.8	83.4	88.1	-
28-Apr	28-Apr	17	72.81	76.86	80.98	81.58	91.8	81.6	-	-
29-Apr	29-Apr	17	71.13	74.7	73.96	85.78	91.3	85.7	-	-
30-Apr	30-Apr	18	74.14	72.89	72.2	82.00	92.7	86.3	81.7	-

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95, 98 99, 01	96, 00 Leap	2001	2000	1999	1998	1996	1995	1993
Date	Year Date	Julian Week	Mean Length (mm)					
01-May	01-May	18	71.89	76.8	77.26	83.78	91.0	87.7
02-May	02-May	18	71.66	75.25	78.79	78.16	92.6	91
03-May	03-May	18	75.41	79	73	84.69	90.3	-
04-May	04-May	18	73.08	86	76.36	84.44	89.1	89.4
05-May	05-May	18	76.14	81.2	74.16	82.42	92.1	87.9
06-May	06-May	18	75.07	79.67	72.4	85.18	91.1	90.6
07-May	07-May	19	77.02	81.6	77.18	84.60	-	91.7
08-May	08-May	19	78.41	79.5	70.36	85.48	-	92.4
09-May	09-May	19	77.51	81.65	75.7	86.44	-	93.4
10-May	10-May	19	76.19	77.4	75.12	83.49	-	92.4
11-May	11-May	19	77.48	78.9	75.92	85.66	-	92.8
12-May	12-May	19	78.38	80.3	77.02	86.78	-	95.8
13-May	13-May	19	78.89	81.12	74.89	85.08	-	94.1
14-May	14-May	20	78.80	86.6	75.64	88.72	92.2	97.5
15-May	15-May	20	78.42	72	75.7	87.60	97.8	98.2
16-May	16-May	20	78.23	87.29	72.9	86.72	95.7	98.1
17-May	17-May	20	77.30	87.69	76.5	88.86	94.2	95.9
18-May	18-May	20	78.93	86.04	77.54	87.12	95.6	95.5
19-May	19-May	20	79.19	84	77.46	86.16	96.4	96
20-May	20-May	20	78.33	84.39	76.42	85.26	95.2	97.2
21-May	21-May	21	80.11	85.3	79.52	ns	97.7	97.8
22-May	22-May	21	79.48	84.03	78	ns	92.8	97.9
23-May	23-May	21	79.67	91.83	77.44	ns	94.3	98
24-May	24-May	21	79.23	84.07	78.18	ns	93.5	99.6
25-May	25-May	21	76.04	84.75	79.3	ns	-	100.1
26-May	26-May	21	77.80	86.56	79.8	ns	95.0	99.3
27-May	27-May	21	78.21	-	80.48	87.74	92.9	101.5
28-May	28-May	22	78.56	-	82.34	89.70	94.6	101
29-May	29-May	22	79.90	-	ns	90.46	96.0	102
30-May	30-May	22	81.42	88.82	ns	89.39	96.5	103.5
31-May	31-May	22	81.02	88.79	ns	89.50	96.1	105.2
01-Jun	01-Jun	22	80.82	89.03	80.4	90.48	96.5	101.9
02-Jun	02-Jun	22	ns	93.45	80.69	89.47	96.0	103.8
03-Jun	03-Jun	22	ns	-	81.49	87.62	93.8	104.9
04-Jun	04-Jun	23	85.56	-	82.88	89.84	95.0	103.4
05-Jun	05-Jun	23	84.98	-	83.44	90.16	96.7	106.3
06-Jun	06-Jun	23	84.96	93	82.68	91.48	101.5	101.9
07-Jun	07-Jun	23	88.50	89.25	84.68	92.06	96.1	106.1
08-Jun	08-Jun	23	82.78	99.12	83.63	90.58	97.1	106.6
09-Jun	09-Jun	23	-	93.7	83.92	92.72	-	99.6
10-Jun	10-Jun	23	ns	-	83.67	93.32	-	101.2
11-Jun	11-Jun	24	ns	-	84.31	92.62	-	105.7
12-Jun	12-Jun	24	86.00	93.4	ns	91.59	-	101.9
13-Jun	13-Jun	24	87.80	94.56	ns	100.83	-	94.7
14-Jun	14-Jun	24	-	97.27	88.32	95.69	-	105
15-Jun	15-Jun	24	84.25	95.53	88.71	93.93	-	106.6
16-Jun	16-Jun	24	ns	84.5	87.13	94.88	-	108.3

Oakdale Data 1993 - 2001

95, 98 99, 01	96, 00 Leap		2001	2000	1999	1998	1996	1995	1993
Date	Year Date	Julian Week	Mean Length (mm)						
17-Jun	17-Jun	24	ns	96.56	86.7	-	-	-	-
18-Jun	18-Jun	25	83.80	89.75	88.31	94.80	-	115.5	-
19-Jun	19-Jun	25	84.00	92.29	ns	102.00	-	99.5	88.6
20-Jun	20-Jun	25	87.50	99	ns	96.07	-	98	94
21-Jun	21-Jun	25	92.00	100.5	88.24	ns	-	109.3	86
22-Jun	22-Jun	25	88.00	104	91.69	ns	-	106.5	90
23-Jun	23-Jun	25	ns	-	88.19	ns	-	102.7	-
24-Jun	24-Jun	25	ns	-	93.18	ns	-	98	96.3
25-Jun	25-Jun	26	87.00	-	88.23	96.25	-	106	90.5
26-Jun	26-Jun	26	-	93	ns	98.33	-	-	-
27-Jun	27-Jun	26	81.00	-	ns	ns	-	97	96.3
28-Jun	28-Jun	26	-	88	93.44	ns	-	-	97.5
29-Jun	29-Jun	26	90.22	-	94.57	-	-	-	-
30-Jun	30-Jun	26	-	72	91.31	-	-	-	-
01-Jul	01-Jul	26	-	-	-	101.33	-	-	-
02-Jul	02-Jul	27	-	-	-	91.50	-	-	-
03-Jul	03-Jul	27	-	-	-	105.00	-	-	-
04-Jul	04-Jul	27	-	-	-	ns	-	-	-
05-Jul	05-Jul	27	-	-	-	ns	-	-	-
06-Jul	06-Jul	27	-	-	-	ns	-	-	-
07-Jul	07-Jul	27	-	-	-	106.50	-	-	-
08-Jul	08-Jul	27	-	-	-	93.00	-	-	-
09-Jul	09-Jul	28	-	-	-	-	-	-	-
10-Jul	10-Jul	28	-	-	-	-	-	-	-
11-Jul	11-Jul	28	-	-	-	ns	-	-	-
12-Jul	12-Jul	28	-	-	-	ns	-	-	-
13-Jul	13-Jul	28	-	-	-	-	-	-	-
14-Jul	14-Jul	28	-	-	-	-	-	-	-
15-Jul	15-Jul	28	-	-	-	-	-	-	-

Oakdale Data 1993 - 2001

95, 98 99, 01	96, 00 Leap	2001	2000	1999	1998	1996
Date	Year Date	Julian Week	Turbidity (NTU's)	Turbidity (NTU's)	Turbidity (NTU's)	Turbidity (NTU's)
12-Dec	12-Dec	50	0.10	-	-	-
13-Dec	13-Dec	50	0.00	-	-	-
14-Dec	14-Dec	50	0.80	-	-	-
15-Dec	15-Dec	50	0.85	-	-	-
16-Dec	16-Dec	50	ns	0.7	-	-
17-Dec	17-Dec	51	ns	1.2	-	-
18-Dec	18-Dec	51	0.00	0.9	-	-
19-Dec	19-Dec	51	0.50	ns	-	-
20-Dec	20-Dec	51	0.40	2.2	-	-
21-Dec	21-Dec	51	0.55	1.1	-	-
22-Dec	22-Dec	51	1.30	0.6	-	-
23-Dec	23-Dec	51	0.00	0.8	-	-
24-Dec	24-Dec	52	ns	ns	-	-
25-Dec	25-Dec	52	ns	ns	-	-
26-Dec	26-Dec	52	0.15	ns	-	-
27-Dec	27-Dec	52	0.00	nd	-	-
28-Dec	28-Dec	52	0.00	1	-	-
29-Dec	29-Dec	52	0.00	0.8	-	-
30-Dec	30-Dec	52	0.00	0.7	-	-
31-Dec	31-Dec	52	ns	1.1	-	-
01-Jan	01-Jan	1	ns	ns	-	-
02-Jan	02-Jan	1	0.00	nd	-	-
03-Jan	03-Jan	1	0.00	1	-	-
04-Jan	04-Jan	1	0.00	0.7	-	-
05-Jan	05-Jan	1	0.00	0.5	-	-
06-Jan	06-Jan	1	0.00	0.7	-	-
07-Jan	07-Jan	1	0.00	0.6	-	-
08-Jan	08-Jan	2	1.40	0.4	-	-
09-Jan	09-Jan	2	0.00	1.5	-	-
10-Jan	10-Jan	2	0.00	nd	-	-
11-Jan	11-Jan	2	0.85	1.2	-	-
12-Jan	12-Jan	2	1.10	1.6	-	-
13-Jan	13-Jan	2	0.30	0.9	-	-
14-Jan	14-Jan	2	0.00	1.1	-	-
15-Jan	15-Jan	3	0.00	1.1	-	-
16-Jan	16-Jan	3	0.00	1.2	-	-
17-Jan	17-Jan	3	0.20	1.2	-	-
18-Jan	18-Jan	3	0.55	3.4	5.0	-
19-Jan	19-Jan	3	0.00	1.2	7.4	-
20-Jan	20-Jan	3	0.00	1.7	25.0	-
21-Jan	21-Jan	3	0.00	1.1	8.9	-
22-Jan	22-Jan	4	0.00	0.4	6.0	-
23-Jan	23-Jan	4	0.00	0.7	6.6	-
24-Jan	24-Jan	4	0.80	2	6.2	-
25-Jan	25-Jan	4	0.00	25.6	4.6	-
26-Jan	26-Jan	4	2.10	11.2	2.3	-
27-Jan	27-Jan	4	4.90	4.5	4.6	8.6

Oakdale Data 1993 - 2001

95, 98 99, 01	96, 00 Leap	Year Date	Julian Date	Turbidity (NTU's) Week	Turbidity (NTU's)	Turbidity (NTU's)	Turbidity (NTU's)	Turbidity (NTU's)
28-Jan	28-Jan	4	1.00	10	4.2	7.9	-	
29-Jan	29-Jan	5	0.95	2.8	3.2	6.5	-	
30-Jan	30-Jan	5	0.00	2.4	3.9	10.2	-	
31-Jan	31-Jan	5	1.20	3.9	1.2	nd	-	
01-Feb	01-Feb	5	0.00	1.9	4.9	5.6	-	
02-Feb	02-Feb	5	0.60	2.4	4.1	6.1	nd	
03-Feb	03-Feb	5	0.00	1.7	2.1	ns	nd	
04-Feb	04-Feb	5	0.50	2	2.1	ns	nd	
05-Feb	05-Feb	6	0.00	2.4	8.4	ns	nd	
06-Feb	06-Feb	6	0.00	1.6	2.5	ns	nd	
07-Feb	07-Feb	6	0.05	2.8	2.8	ns	nd	
08-Feb	08-Feb	6	0.00	1.6	4.9	ns	7.4	
09-Feb	09-Feb	6	0.20	2.1	6.8	ns	4.4	
10-Feb	10-Feb	6	0.00	2.7	6.1	ns	7.8	
11-Feb	11-Feb	6	nd	2.6	5.3	ns	7.7	
12-Feb	12-Feb	7	8.20	63	3.9	12.7	7.0	
13-Feb	13-Feb	7	4.10	10.1	6.0	13.1	5.1	
14-Feb	14-Feb	7	0.80	31.7	6.1	9.4	3.3	
15-Feb	15-Feb	7	0.90	6.3	4.8	6.1	nd	
16-Feb	16-Feb	7	0.55	5.4	3.7	6.0	3.8	
17-Feb	17-Feb	7	0.00	6.3	4.0	6.2	4.0	
18-Feb	18-Feb	7	0.00	8.9	3.5	5.7	4.7	
19-Feb	19-Feb	8	0.00	4.8	1.6	5.8	4.5	
20-Feb	20-Feb	8	0.55	4.1	10.0	5.5	nd	
21-Feb	21-Feb	8	0.90	3.5	9.0	5.6	nd	
22-Feb	22-Feb	8	0.80	4	2.2	8.2	nd	
23-Feb	23-Feb	8	1.30	8.7	2.2	5.6	nd	
24-Feb	24-Feb	8	2.50	6.2	2.5	5.9	5.3	
25-Feb	25-Feb	8	14.00	4.1	2.5	6.0	5.5	
26-Feb	26-Feb	9	3.50	3.5	2.5	4.0	4.6	
27-Feb	27-Feb	9	1.60	2.8	1.4	4.4	4.4	
28-Feb	28-Feb	9	0.15	7.1	1.2	6.2	4.1	
x	29-Feb	9	x	9.3	x	x	5.0	
01-Mar	01-Mar	9	1.90	5.8	2.1	4.8	3.2	
02-Mar	02-Mar	9	4.80	5.85	1.5	3.9	nd	
03-Mar	03-Mar	9	1.00	6.9	2.4	4.1	nd	
04-Mar	04-Mar	9	3.00	3.4	1.9	4.2	nd	
05-Mar	05-Mar	10	26.00	3.8	2.7	5.7	2.0	
06-Mar	06-Mar	10	12.00	6.5	1.9	5.9	2.4	
07-Mar	07-Mar	10	4.70	4.2	1.8	4.6	2.6	
08-Mar	08-Mar	10	2.80	3.2	2.1	nd	4.0	
09-Mar	09-Mar	10	7.10	3.6	2.1	3.4	2.4	
10-Mar	10-Mar	10	2.50	3.03	2.6	3.1	3.5	
11-Mar	11-Mar	10	0.60	1.44	1.6	2.8	3.7	
12-Mar	12-Mar	11	0.80	2.4	1.7	4.8	nd	
13-Mar	13-Mar	11	4.20	1.39	1.4	nd	3.9	
14-Mar	14-Mar	11	0.25	1.66	1.0	3.4	2.2	

Oakdale Data 1993 - 2001

95, 98 99, 01	96, 00 Leap	2001	2000	1999	1998	1996
Date	Year Date	Julian Week	Turbidity (NTU's)	Turbidity (NTU's)	Turbidity (NTU's)	Turbidity (NTU's)
15-Mar	15-Mar	11	0.10	1.56	1.1	3.6
16-Mar	16-Mar	11	0.00	3.7	1.2	2.1
17-Mar	17-Mar	11	0.70	1.99	1.4	nd
18-Mar	18-Mar	11	0.10	1.31	1.3	2.5
19-Mar	19-Mar	12	0.00	1.47	1.6	nd
20-Mar	20-Mar	12	0.50	1.56	1.8	3.4
21-Mar	21-Mar	12	0.00	2.88	1.6	3.1
22-Mar	22-Mar	12	2.20	1.26	2.4	3.7
23-Mar	23-Mar	12	nd	0.99	1.2	2.8
24-Mar	24-Mar	12	0.00	1.2	ns	2.8
25-Mar	25-Mar	12	0.00	1.1	1.4	3.2
26-Mar	26-Mar	13	0.15	0.8	1.5	nd
27-Mar	27-Mar	13	0.55	1.13	1.2	3.1
28-Mar	28-Mar	13	1.60	1.09	1.8	nd
29-Mar	29-Mar	13	0.15	1.32	1.2	3.3
30-Mar	30-Mar	13	0.15	0.92	1.3	2.7
31-Mar	31-Mar	13	0.40	1.76	1.4	3.0
01-Apr	01-Apr	13	1.30	nd	1.1	4.7
02-Apr	02-Apr	14	0.95	2.5	1.7	4.6
03-Apr	03-Apr	14	0.85	1.36	0.8	8.3
04-Apr	04-Apr	14	1.00	1.49	0.7	4.6
05-Apr	05-Apr	14	nd	2.23	0.8	2.2
06-Apr	06-Apr	14	0.15	2.28	1.7	2.2
07-Apr	07-Apr	14	1.10	2.46	1.2	nd
08-Apr	08-Apr	14	1.30	1.29	1.8	2.8
09-Apr	09-Apr	15	0.60	1.82	2.2	2.6
10-Apr	10-Apr	15	0.00	0.87	2.6	nd
11-Apr	11-Apr	15	0.55	4.88	1.4	2.6
12-Apr	12-Apr	15	0.00	2.23	nd	nd
13-Apr	13-Apr	15	nd	0.73	nd	2.7
14-Apr	14-Apr	15	0.55	1.41	nd	4.3
15-Apr	15-Apr	15	1.70	0.91	3.9	4.3
16-Apr	16-Apr	16	0.40	3.16	2.2	1.9
17-Apr	17-Apr	16	1.80	1.94	0.9	1.9
18-Apr	18-Apr	16	0.75	1.78	0.7	2.6
19-Apr	19-Apr	16	1.00	1.83	1.5	nd
20-Apr	20-Apr	16	2.20	1.23	1.4	2.4
21-Apr	21-Apr	16	0.95	0.82	1.6	2.2
22-Apr	22-Apr	16	0.25	0.56	1.9	3.4
23-Apr	23-Apr	17	0.55	0.57	1.6	2.7
24-Apr	24-Apr	17	0.45	2.21	1.9	nd
25-Apr	25-Apr	17	0.90	1.41	nd	4.8
26-Apr	26-Apr	17	0.40	1.08	1.2	2.5
27-Apr	27-Apr	17	0.30	1.55	1.0	3.1
28-Apr	28-Apr	17	0.15	0.69	1.8	3.1
29-Apr	29-Apr	17	0.65	0.69	1.0	5.8
30-Apr	30-Apr	18	0.75	2.07	nd	nd

Oakdale Data 1993 - 2001

95, 98 99, 01	96, 00 Leap	2001	2000	1999	1998	1996
Date	Year Date	Julian Week	Turbidity (NTU's)	Turbidity (NTU's)	Turbidity (NTU's)	Turbidity (NTU's)
01-May	01-May	18	0.00	2.2	1.2	5.7
02-May	02-May	18	0.90	1.1	1.3	7.9
03-May	03-May	18	0.40	2.6	1.2	nd
04-May	04-May	18	0.00	1.18	1.4	8.2
05-May	05-May	18	1.30	1.4	3.0	5.2
06-May	06-May	18	1.60	1.03	nd	4.6
07-May	07-May	19	0.15	1.75	nd	3.2
08-May	08-May	19	0.00	1.41		3.3
09-May	09-May	19	0.60	2.81		nd
10-May	10-May	19	0.40	1.5		nd
11-May	11-May	19	0.25	0.78	1	nd
12-May	12-May	19	1.60	2.18	0.9	nd
13-May	13-May	19	2.80	0.58	1.1	4.5
14-May	14-May	20	0.10	1.08	1.5	3.0
15-May	15-May	20	0.80	1.66	0.9	nd
16-May	16-May	20	0.05	0.85	1.8	nd
17-May	17-May	20	0.25	1.7	1.1	6.8
18-May	18-May	20	0.65	0.5	1.2	3.2
19-May	19-May	20	0.50	0.85	1.3	2.0
20-May	20-May	20	0.45	1.9	0.8	2.0
21-May	21-May	21	0.45	1.2	1.5	ns
22-May	22-May	21	0.30	1.4	0.8	ns
23-May	23-May	21	0.10	1.8	2	ns
24-May	24-May	21	0.05	1.5	0.7	ns
25-May	25-May	21	1.50	0.7	0.5	ns
26-May	26-May	21	1.10	0.95	1.1	ns
27-May	27-May	21	0.80	ns	1.1	nd
28-May	28-May	22	0.60	ns	1.2	2.9
29-May	29-May	22	1.20	ns	-	3.5
30-May	30-May	22	0.05	1.4	-	nd
31-May	31-May	22	0.55	0.4	-	2.3
01-Jun	01-Jun	22	0.30	0.3	1.4	3.3
02-Jun	02-Jun	22	ns	0.45	1.5	3.0
03-Jun	03-Jun	22	ns	ns	2.4	3.3
04-Jun	04-Jun	23	0.75	ns	1	nd
05-Jun	05-Jun	23	0.00	0.8	4.8	nd
06-Jun	06-Jun	23	0.40	0.9	1.4	4.4
07-Jun	07-Jun	23	1.00	2.6	1.6	2.9
08-Jun	08-Jun	23	0.15	1.7	1.2	4.3
09-Jun	09-Jun	23	ns	0.9	1.4	6.6
10-Jun	10-Jun	23	ns	ns	1.7	5.5
11-Jun	11-Jun	24	1.60	ns	5.0	nd
12-Jun	12-Jun	24	0.00	0.6	ns	3.3
13-Jun	13-Jun	24	0.65	0.8	ns	nd
14-Jun	14-Jun	24	0.40	0.8	1.2	nd
15-Jun	15-Jun	24	0.45	1.6	2.0	nd
16-Jun	16-Jun	24	ns	1.6	0.9	nd

Oakdale Data 1993 - 2001

95, 98 99, 01	96, 00 Leap	2001	2000	1999	1998	1996
Date	Year Date	Julian Week	Turbidity (NTU's)	Turbidity (NTU's)	Turbidity (NTU's)	Turbidity (NTU's)
17-Jun	17-Jun	24	ns	1.5	1.2	4.2
18-Jun	18-Jun	25	0.05	2	1.3	nd
19-Jun	19-Jun	25	0.05	2.1	ns	nd
20-Jun	20-Jun	25	1.10	2.2	ns	nd
21-Jun	21-Jun	25	1.20	1.2	0.9	ns
22-Jun	22-Jun	25	0.70	1.5	1.1	ns
23-Jun	23-Jun	25	ns	2.1	0.6	ns
24-Jun	24-Jun	25	ns	ns	1.1	ns
25-Jun	25-Jun	26	3.10	ns	0.9	2.4
26-Jun	26-Jun	26	0.00	1.2	ns	nd
27-Jun	27-Jun	26	0.80	1.8	ns	ns
28-Jun	28-Jun	26	0.00	4.6	1.5	ns
29-Jun	29-Jun	26	0.45	2.5	1.3	nd
30-Jun	30-Jun	26	-	0.35	0.9	nd
01-Jul	01-Jul	26	-	-	-	nd
02-Jul	02-Jul	27	-	-	-	nd
03-Jul	03-Jul	27	-	-	-	nd
04-Jul	04-Jul	27	-	-	-	ns
05-Jul	05-Jul	27	-	-	-	ns
06-Jul	06-Jul	27	-	-	-	ns
07-Jul	07-Jul	27	-	-	-	nd
08-Jul	08-Jul	27	-	-	-	nd
09-Jul	09-Jul	28	-	-	-	2.5
10-Jul	10-Jul	28	-	-	-	nd
11-Jul	11-Jul	28	-	-	-	ns
12-Jul	12-Jul	28	-	-	-	ns
13-Jul	13-Jul	28	-	-	-	2.5
14-Jul	14-Jul	28	-	-	-	nd
15-Jul	15-Jul	28	-	-	-	1.9

Oakdale Data 1993 - 2001

95, 98 99, 01	96, 00 Leap Year	2001 Average Julian	2000 Average Daily Smolt Index	1999 Average Daily Smolt Index	1998 Average Daily Smolt Index	1996 Average Daily Smolt Index
Date	Date	Week	Smolt Index	Smolt Index	Smolt Index	Smolt Index
12-Dec	12-Dec	50	1.00	-	-	-
13-Dec	13-Dec	50	-	-	-	-
14-Dec	14-Dec	50	1.00	-	-	-
15-Dec	15-Dec	50	1.00	-	-	-
16-Dec	16-Dec	50	-	1.00	-	-
17-Dec	17-Dec	51	-	1.00	-	-
18-Dec	18-Dec	51	1.00	1.00	-	-
19-Dec	19-Dec	51	1.00	ns	-	-
20-Dec	20-Dec	51	1.00	1.00	-	-
21-Dec	21-Dec	51	1.00	1.00	-	-
22-Dec	22-Dec	51	1.00	1.00	-	-
23-Dec	23-Dec	51	1.00	1.00	-	-
24-Dec	24-Dec	52	ns	ns	-	-
25-Dec	25-Dec	52	ns	ns	-	-
26-Dec	26-Dec	52	1.00	ns	-	-
27-Dec	27-Dec	52	1.00	ns	-	-
28-Dec	28-Dec	52	1.00	1.00	-	-
29-Dec	29-Dec	52	1.00	1.00	-	-
30-Dec	30-Dec	52	1.00	1.00	-	-
31-Dec	31-Dec	52	ns	1.00	-	-
01-Jan	01-Jan	1	ns	ns	-	-
02-Jan	02-Jan	1	1.00	ns	-	-
03-Jan	03-Jan	1	1.00	1.00	-	-
04-Jan	04-Jan	1	1.00	1.00	-	-
05-Jan	05-Jan	1	1.02	1.00	-	-
06-Jan	06-Jan	1	1.00	1.00	-	-
07-Jan	07-Jan	1	1.00	1.02	-	-
08-Jan	08-Jan	2	1.00	1.00	-	-
09-Jan	09-Jan	2	1.00	1.00	-	-
10-Jan	10-Jan	2	1.00	1.00	-	-
11-Jan	11-Jan	2	1.00	1.00	-	-
12-Jan	12-Jan	2	1.02	1.00	-	-
13-Jan	13-Jan	2	1.00	1.03	-	-
14-Jan	14-Jan	2	1.03	1.00	-	-
15-Jan	15-Jan	3	1.03	1.00	-	-
16-Jan	16-Jan	3	1.00	1.00	-	-
17-Jan	17-Jan	3	1.04	1.03	-	-
18-Jan	18-Jan	3	1.00	1.00	1.0	-
19-Jan	19-Jan	3	1.00	1.02	1.0	-
20-Jan	20-Jan	3	1.00	1.01	-	-
21-Jan	21-Jan	3	1.00	1.01	1.0	-
22-Jan	22-Jan	4	1.00	1.06	-	-
23-Jan	23-Jan	4	1.01	1.00	1.0	-
24-Jan	24-Jan	4	1.00	1.00	1.0	-
25-Jan	25-Jan	4	1.03	1.07	1.0	-
26-Jan	26-Jan	4	1.01	1.05	1.0	-
27-Jan	27-Jan	4	1.00	1.00	1.0	1.0

Oakdale Data 1993 - 2001

95, 98	96, 00		2001	2000	1999	1998	1996
99, 01	Leap	Year	Average	Average	Average	Average	Average
Date	Date	Julian	Daily	Daily	Daily	Daily	Daily
		Week	Smolt Index				
28-Jan	28-Jan	4	1.04	1.01	1.0	1.1	-
29-Jan	29-Jan	5	1.09	1.20	1.0	1.0	-
30-Jan	30-Jan	5	1.00	1.17	1.0	1.0	-
31-Jan	31-Jan	5	1.01	1.01	1.0	1.0	-
01-Feb	01-Feb	5	1.08	1.05	1.0	1.0	-
02-Feb	02-Feb	5	1.03	1.12	1.0	1.0	1.0
03-Feb	03-Feb	5	1.03	1.06	1.0	-	1.0
04-Feb	04-Feb	5	1.03	1.00	1.0	-	1.0
05-Feb	05-Feb	6	1.00	1.07	1.0	-	-
06-Feb	06-Feb	6	1.00	1.03	1.0	-	1.0
07-Feb	07-Feb	6	1.03	1.03	1.0	-	-
08-Feb	08-Feb	6	1.00	1.01	1.0	-	1.0
09-Feb	09-Feb	6	1.04	1.04	1.0	-	1.0
10-Feb	10-Feb	6	1.03	1.06	1.0	-	1.0
11-Feb	11-Feb	6	1.00	1.06	1.0	-	-
12-Feb	12-Feb	7	1.00	1.01	1.0	1.0	1.0
13-Feb	13-Feb	7	1.00	1.00	1.0	1.0	-
14-Feb	14-Feb	7	1.01	1.00	1.0	1.0	-
15-Feb	15-Feb	7	1.00	1.01	1.0	1.0	-
16-Feb	16-Feb	7	1.03	1.01	1.0	1.0	-
17-Feb	17-Feb	7	1.03	1.01	1.0	1.0	-
18-Feb	18-Feb	7	1.00	1.00	1.0	1.1	-
19-Feb	19-Feb	8	1.00	1.01	1.0	1.0	1.0
20-Feb	20-Feb	8	1.00	1.02	1.0	1.1	-
21-Feb	21-Feb	8	1.03	1.00	1.0	1.0	-
22-Feb	22-Feb	8	1.01	1.00	1.1	1.0	-
23-Feb	23-Feb	8	1.01	1.01	1.0	1.0	-
24-Feb	24-Feb	8	1.00	1.00	1.0	1.1	-
25-Feb	25-Feb	8	1.00	1.03	1.0	1.1	-
26-Feb	26-Feb	9	1.01	1.03	1.0	1.1	1.0
27-Feb	27-Feb	9	1.00	1.00	1.0	1.2	-
28-Feb	28-Feb	9	1.03	1.01	1.0	1.1	-
x	29-Feb	9	x	1.10	x	x	1.3
01-Mar	01-Mar	9	1.16	1.00	1.0	1.0	-
02-Mar	02-Mar	9	1.06	1.02	1.0	1.0	-
03-Mar	03-Mar	9	1.04	1.05	1.0	1.0	-
04-Mar	04-Mar	9	1.04	1.02	1.1	1.1	-
05-Mar	05-Mar	10	1.03	1.00	1.0	1.2	1.1
06-Mar	06-Mar	10	1.00	1.12	1.0	1.2	-
07-Mar	07-Mar	10	1.31	1.17	1.1	1.2	1.0
08-Mar	08-Mar	10	1.11	1.33	1.3	1.2	1.1
09-Mar	09-Mar	10	1.09	1.07	1.1	1.3	1.3
10-Mar	10-Mar	10	1.07	1.25	1.1	1.1	1.1
11-Mar	11-Mar	10	1.24	1.06	1.2	1.2	1.0
12-Mar	12-Mar	11	1.25	1.19	1.1	1.3	1.0
13-Mar	13-Mar	11	1.04	1.29	1.2	1.2	1.3
14-Mar	14-Mar	11	1.21	1.18	1.2	1.1	1.6

Oakdale Data 1993 - 2001

95, 98 99, 01	96, 00 Leap	Year	Julian	2001 Average	2000 Average	1999 Average	1998 Average	1996 Average
Date	Date	Week	Smolt Index	Smolt Index	Smolt Index	Smolt Index	Smolt Index	Smolt Index
15-Mar	15-Mar	11	1.13	1.36	1.2	1.3	1.0	
16-Mar	16-Mar	11	1.39	1.27	1.1	1.6	1.2	
17-Mar	17-Mar	11	1.31	1.30	1.1	1.4	1.3	
18-Mar	18-Mar	11	1.34	1.34	1.1	1.3	2.0	
19-Mar	19-Mar	12	1.10	1.44	-	1.3	1.3	
20-Mar	20-Mar	12	1.11	1.54	1.2	1.0	1.5	
21-Mar	21-Mar	12	1.24	1.77	1.2	1.0	1.0	
22-Mar	22-Mar	12	1.37	1.80	1.2	1.4	2.0	
23-Mar	23-Mar	12	1.47	1.51	1.3	1.4	2.3	
24-Mar	24-Mar	12	1.21	1.65	-	1.3	2.0	
25-Mar	25-Mar	12	1.40	1.85	1.4	1.9	2.1	
26-Mar	26-Mar	13	1.38	1.79	1.2	1.5	2.0	
27-Mar	27-Mar	13	1.62	1.89	1.4	1.7	2.1	
28-Mar	28-Mar	13	1.72	1.76	1.4	1.4	2.0	
29-Mar	29-Mar	13	1.69	1.85	1.3	1.5	2.1	
30-Mar	30-Mar	13	1.76	1.67	1.3	1.5	2.0	
31-Mar	31-Mar	13	1.67	1.88	1.8	1.6	2.0	
01-Apr	01-Apr	13	1.82	1.92	1.7	1.9	2.1	
02-Apr	02-Apr	14	1.94	1.95	1.5	1.6	2.0	
03-Apr	03-Apr	14	1.95	1.78	1.8	1.9	2.0	
04-Apr	04-Apr	14	1.86	1.79	1.5	1.8	2.0	
05-Apr	05-Apr	14	1.98	1.97	1.7	1.9	2.1	
06-Apr	06-Apr	14	1.93	1.91	1.5	2.0	2.1	
07-Apr	07-Apr	14	2.00	1.80	1.4	1.7	2.0	
08-Apr	08-Apr	14	1.89	1.75	1.8	1.9	2.3	
09-Apr	09-Apr	15	1.98	1.96	1.6	2.0	2.3	
10-Apr	10-Apr	15	2.00	1.98	1.8	1.9	2.3	
11-Apr	11-Apr	15	2.00	1.93	1.8	1.9	2.2	
12-Apr	12-Apr	15	2.00	1.96	2.0	1.9	2.1	
13-Apr	13-Apr	15	2.00	2.00	1.9	2.0	2.2	
14-Apr	14-Apr	15	2.00	2.00	1.8	1.8	2.0	
15-Apr	15-Apr	15	1.99	2.00	1.9	1.9	2.1	
16-Apr	16-Apr	16	2.00	2.07	2.0	1.9	2.1	
17-Apr	17-Apr	16	1.99	2.00	1.8	1.8	2.1	
18-Apr	18-Apr	16	1.95	1.95	1.6	2.0	2.1	
19-Apr	19-Apr	16	2.00	2.00	1.9	2.1	2.4	
20-Apr	20-Apr	16	2.00	1.98	1.7	1.9	2.1	
21-Apr	21-Apr	16	2.00	2.00	2.0	2.0	2.1	
22-Apr	22-Apr	16	1.96	2.00	1.8	2.0	2.2	
23-Apr	23-Apr	17	2.00	2.00	2.0	2.1	-	
24-Apr	24-Apr	17	2.00	1.93	2.0	2.0	2.2	
25-Apr	25-Apr	17	2.00	2.00	2.0	2.1	2.5	
26-Apr	26-Apr	17	2.00	2.00	2.0	2.0	2.0	
27-Apr	27-Apr	17	2.00	2.00	2.0	2.0	2.0	
28-Apr	28-Apr	17	1.99	2.14	2.0	2.0	2.5	
29-Apr	29-Apr	17	2.00	2.00	2.0	2.1	2.3	
30-Apr	30-Apr	18	1.98	2.00	2.0	2.1	2.3	

Oakdale Data 1993 - 2001

95, 98 99, 01	96, 00 Leap	Year	Julian	2001 Average	2000 Average	1999 Average	1998 Average	1996 Average
Date	Date	Week	Smolt Index	Daily Smolt Index				
01-May	01-May	18	1.96	2.00	2.0	2.1	2.4	
02-May	02-May	18	1.99	2.00	2.0	2.0	2.0	
03-May	03-May	18	2.00	2.00	2.0	2.0	2.3	
04-May	04-May	18	1.99	2.00	2.1	2.1	2.0	
05-May	05-May	18	2.01	2.00	1.9	2.0	2.4	
06-May	06-May	18	1.99	2.00	2.0	2.0	2.0	
07-May	07-May	19	2.00	2.20	2.2	2.0	-	
08-May	08-May	19	2.00	2.07	2.0	2.1	-	
09-May	09-May	19	2.00	2.13	2.0	2.0	-	
10-May	10-May	19	2.01	2.10	2.0	2.0	-	
11-May	11-May	19	2.00	2.00	2.0	2.1	-	
12-May	12-May	19	2.00	2.05	2.0	2.1	-	
13-May	13-May	19	2.00	2.00	2.0	2.0	-	
14-May	14-May	20	2.00	2.20	2.0	2.1	2.0	
15-May	15-May	20	2.00	2.00	2.0	2.1	2.0	
16-May	16-May	20	2.00	2.00	2.0	2.0	2.0	
17-May	17-May	20	2.00	2.15	2.0	2.0	2.2	
18-May	18-May	20	2.00	2.04	2.0	2.1	3.0	
19-May	19-May	20	2.00	2.04	2.1	2.1	2.8	
20-May	20-May	20	2.00	2.05	2.0	2.0	2.2	
21-May	21-May	21	2.00	2.15	2.1	-	2.4	
22-May	22-May	21	2.00	2.03	2.0	-	2.1	
23-May	23-May	21	2.15	2.17	2.0	-	2.1	
24-May	24-May	21	2.00	2.00	2.0	-	2.9	
25-May	25-May	21	2.00	2.25	2.0	-	-	
26-May	26-May	21	2.00	2.00	2.0	-	2.8	
27-May	27-May	21	2.00	ns	2.0	2.0	2.1	
28-May	28-May	22	2.00	ns	2.2	2.1	2.5	
29-May	29-May	22	2.10	ns	-	2.1	2.8	
30-May	30-May	22	2.10	2.64	-	2.0	-	
31-May	31-May	22	2.00	2.04	-	2.0	2.9	
01-Jun	01-Jun	22	2.02	2.59	2.0	2.0	2.8	
02-Jun	02-Jun	22	ns	2.90	2.0	2.1	3.0	
03-Jun	03-Jun	22	ns	ns	2.0	2.1	2.8	
04-Jun	04-Jun	23	2.06	ns	2.0	2.1	2.0	
05-Jun	05-Jun	23	2.10	-	2.1	2.1	2.0	
06-Jun	06-Jun	23	2.08	3.00	2.0	2.0	2.7	
07-Jun	07-Jun	23	3.00	2.00	2.1	2.8	2.4	
08-Jun	08-Jun	23	2.00	2.75	2.0	2.0	-	
09-Jun	09-Jun	23	ns	2.10	2.0	2.2	-	
10-Jun	10-Jun	23	ns	ns	2.0	2.1	-	
11-Jun	11-Jun	24	-	ns	2.0	3.0	-	
12-Jun	12-Jun	24	2.14	3.00	-	2.1	-	
13-Jun	13-Jun	24	2.20	2.56	-	2.2	-	
14-Jun	14-Jun	24	-	2.67	2.6	2.1	-	
15-Jun	15-Jun	24	2.00	3.00	2.7	2.1	-	
16-Jun	16-Jun	24	ns	2.00	2.1	2.1	-	

Oakdale Data 1993 - 2001

95, 98 99, 01	96, 00 Leap Year	2001 Average Julian	2000 Average Daily	1999 Average Daily	1998 Average Daily	1996 Average Daily
Date	Date	Week	Smolt Index	Smolt Index	Smolt Index	Smolt Index
17-Jun	17-Jun	24	ns	2.78	2.6	-
18-Jun	18-Jun	25	2.00	2.50	2.5	2.8
19-Jun	19-Jun	25	2.00	2.64	-	2.5
20-Jun	20-Jun	25	3.00	3.00	-	2.4
21-Jun	21-Jun	25	2.78	2.75	2.1	-
22-Jun	22-Jun	25	2.60	3.00	2.2	-
23-Jun	23-Jun	25	ns	-	2.5	-
24-Jun	24-Jun	25	ns	ns	2.8	-
25-Jun	25-Jun	26	2.00	ns	2.5	3.0
26-Jun	26-Jun	26	-	3.00	-	2.3
27-Jun	27-Jun	26	3.00	-	-	-
28-Jun	28-Jun	26	-	3.00	2.9	-
29-Jun	29-Jun	26	2.44	-	3.0	-
30-Jun	30-Jun	26	-	2.00	2.7	-
01-Jul	01-Jul	26	-	-	-	2.7
02-Jul	02-Jul	27	-	-	-	3.0
03-Jul	03-Jul	27	-	-	-	3.0
04-Jul	04-Jul	27	-	-	-	-
05-Jul	05-Jul	27	-	-	-	-
06-Jul	06-Jul	27	-	-	-	-
07-Jul	07-Jul	27	-	-	-	3.0
08-Jul	08-Jul	27	-	-	-	3.0
09-Jul	09-Jul	28	-	-	-	-
10-Jul	10-Jul	28	-	-	-	-
11-Jul	11-Jul	28	-	-	-	-
12-Jul	12-Jul	28	-	-	-	-
13-Jul	13-Jul	28	-	-	-	-
14-Jul	14-Jul	28	-	-	-	-
15-Jul	15-Jul	28	-	-	-	-

Oakdale Data 1993 - 2001

95, 98 99, 01	96, 00 Leap	Year Date	Julian Date	2001 Week	2000 Velocity	1999 Velocity	1998 Velocity	1996 Velocity
12-Dec	12-Dec	50	4.30	-	-	-	-	-
13-Dec	13-Dec	50	4.60	-	-	-	-	-
14-Dec	14-Dec	50	4.50	-	-	-	-	-
15-Dec	15-Dec	50	4.50	-	-	-	-	-
16-Dec	16-Dec	50	ns	4.00	-	-	-	-
17-Dec	17-Dec	51	ns	4.50	-	-	-	-
18-Dec	18-Dec	51	4.10	4.20	-	-	-	-
19-Dec	19-Dec	51	4.30	ns	-	-	-	-
20-Dec	20-Dec	51	4.20	4.30	-	-	-	-
21-Dec	21-Dec	51	3.90	4.00	-	-	-	-
22-Dec	22-Dec	51	3.90	4.00	-	-	-	-
23-Dec	23-Dec	51	4.00	4.10	-	-	-	-
24-Dec	24-Dec	52	ns	ns	-	-	-	-
25-Dec	25-Dec	52	ns	ns	-	-	-	-
26-Dec	26-Dec	52	3.90	ns	-	-	-	-
27-Dec	27-Dec	52	4.00	nd	-	-	-	-
28-Dec	28-Dec	52	3.90	4.00	-	-	-	-
29-Dec	29-Dec	52	4.20	4.00	-	-	-	-
30-Dec	30-Dec	52	3.80	4.30	-	-	-	-
31-Dec	31-Dec	52	ns	3.40	-	-	-	-
01-Jan	01-Jan	1	ns	ns	-	-	-	-
02-Jan	02-Jan	1	4.00	nd	-	-	-	-
03-Jan	03-Jan	1	4.10	4.30	-	-	-	-
04-Jan	04-Jan	1	3.30	4.10	-	-	-	-
05-Jan	05-Jan	1	4.10	4.10	-	-	-	-
06-Jan	06-Jan	1	4.40	4.60	-	-	-	-
07-Jan	07-Jan	1	4.50	4.20	-	-	-	-
08-Jan	08-Jan	2	4.60	4.20	-	-	-	-
09-Jan	09-Jan	2	4.20	3.40	-	-	-	-
10-Jan	10-Jan	2	4.20	nd	-	-	-	-
11-Jan	11-Jan	2	4.20	4.20	-	-	-	-
12-Jan	12-Jan	2	4.30	4.00	-	-	-	-
13-Jan	13-Jan	2	4.10	4.10	-	-	-	-
14-Jan	14-Jan	2	3.90	3.70	-	-	-	-
15-Jan	15-Jan	3	4.20	3.70	-	-	-	-
16-Jan	16-Jan	3	3.90	4.20	-	-	-	-
17-Jan	17-Jan	3	3.90	3.80	-	-	-	-
18-Jan	18-Jan	3	4.10	4.20	4.5	-	-	-
19-Jan	19-Jan	3	3.90	4.30	4.0	-	-	-
20-Jan	20-Jan	3	3.92	3.90	3.5	-	-	-
21-Jan	21-Jan	3	4.00	4.10	3.0	-	-	-
22-Jan	22-Jan	4	3.80	3.30	nd	-	-	-
23-Jan	23-Jan	4	3.40	4.00	2.6	-	-	-
24-Jan	24-Jan	4	4.00	3.50	3.0	-	-	-
25-Jan	25-Jan	4	4.10	4.20	2.9	-	-	-
26-Jan	26-Jan	4	4.30	5.10	2.1	-	-	-
27-Jan	27-Jan	4	4.20	4.00	4.5	8.1	-	-

Oakdale Data 1993 - 2001

95, 98	96, 00		2001	2000	1999	1998	1996
99, 01	Leap	Year	Julian	Water Velocity	Water Velocity	Water Velocity	Water Velocity
Date	Date	Week					
28-Jan	28-Jan	4	4.00	4.50	3.3	8.3	-
29-Jan	29-Jan	5	4.20	4.00	3.5	8.5	-
30-Jan	30-Jan	5	4.00	4.10	4.5	6.7	-
31-Jan	31-Jan	5	3.90	4.50	3.2	6.8	-
01-Feb	01-Feb	5	3.90	4.50	3.6	6.9	-
02-Feb	02-Feb	5	3.70	4.10	5.8	nd	nd
03-Feb	03-Feb	5	4.00	3.80	7.1	ns	nd
04-Feb	04-Feb	5	3.90	3.88	6.3	ns	nd
05-Feb	05-Feb	6	4.20	3.59	5.0	ns	nd
06-Feb	06-Feb	6	3.30	5.30	5.8	ns	nd
07-Feb	07-Feb	6	4.10	4.00	6.5	ns	nd
08-Feb	08-Feb	6	4.30	4.00	5.5	ns	nd
09-Feb	09-Feb	6	4.20	3.90	3.3	ns	nd
10-Feb	10-Feb	6	4.20	3.90	4.3	ns	nd
11-Feb	11-Feb	6	3.90	4.20	3.3	ns	nd
12-Feb	12-Feb	7	4.20	4.60	2.1	nd	nd
13-Feb	13-Feb	7	4.20	5.50	3.7	5.5	nd
14-Feb	14-Feb	7	3.80	3.20	3.4	5.9	nd
15-Feb	15-Feb	7	4.20	2.30	3.2	5.0	nd
16-Feb	16-Feb	7	3.90	2.80	nd	nd	nd
17-Feb	17-Feb	7	3.40	3.70	4.4	3.9	5.60
18-Feb	18-Feb	7	4.20	3.40	4.2	3.2	nd
19-Feb	19-Feb	8	4.10	3.00	4.5	3.7	5.85
20-Feb	20-Feb	8	4.00	3.40	3.7	3.8	nd
21-Feb	21-Feb	8	3.80	3.40	2.9	3.3	nd
22-Feb	22-Feb	8	3.90	2.60	nd	3.2	nd
23-Feb	23-Feb	8	4.40	3.40	3.1	3.3	nd
24-Feb	24-Feb	8	4.20	3.10	2.8	3.5	nd
25-Feb	25-Feb	8	4.20	2.70	2.1	nd	nd
26-Feb	26-Feb	9	4.00	4.30	3.1	3.1	3.70
27-Feb	27-Feb	9	3.90	3.50	3.2	2.9	5.30
28-Feb	28-Feb	9	3.80	3.00	4.1	3.0	3.32
x	29-Feb	9	x	3.90	x	x	4.00
01-Mar	01-Mar	9	4.10	3.20	3.2	4.3	3.61
02-Mar	02-Mar	9	4.10	4.40	3.7	4.3	nd
03-Mar	03-Mar	9	4.20	nd	3.7	4.3	nd
04-Mar	04-Mar	9	4.00	3.10	3.1	5.8	nd
05-Mar	05-Mar	10	4.60	3.59	4.6	5.3	3.57
06-Mar	06-Mar	10	4.20	3.00	4.5	5.5	4.02
07-Mar	07-Mar	10	4.30	4.30	3.3	5.4	3.98
08-Mar	08-Mar	10	3.50	3.30	3.3	5.3	3.72
09-Mar	09-Mar	10	3.80	nd	3.6	5.4	3.85
10-Mar	10-Mar	10	4.24	2.70	2.9	4.4	4.50
11-Mar	11-Mar	10	4.20	2.40	4.5	5.1	3.46
12-Mar	12-Mar	11	4.10	2.06	4.5	5.9	4.22
13-Mar	13-Mar	11	4.10	2.40	3.6	5.0	4.52
14-Mar	14-Mar	11	4.20	2.60	3.7	3.7	3.64

Oakdale Data 1993 - 2001

95, 98 99, 01	96, 00 Leap	Year Date	Julian Date	2001 Week	2000 Velocity	1999 Velocity	1998 Velocity	1996 Velocity
15-Mar	15-Mar	11	3.90	3.80	3.7	4.5	4.82	
16-Mar	16-Mar	11	4.10	3.29	4.9	4.7	4.50	
17-Mar	17-Mar	11	3.80	4.50	3.3	4.8	3.90	
18-Mar	18-Mar	11	3.60	4.10	4.1	4.2	3.30	
19-Mar	19-Mar	12	3.80	3.60	4.0	5.3	5.40	
20-Mar	20-Mar	12	3.70	3.50	4.8	5.0	3.74	
21-Mar	21-Mar	12	4.10	4.70	5.0	nd	4.35	
22-Mar	22-Mar	12	3.68	5.40	4.9	6.2	3.86	
23-Mar	23-Mar	12	4.10	3.70	5.2	5.4	3.57	
24-Mar	24-Mar	12	4.00	4.40	ns	5.7	4.53	
25-Mar	25-Mar	12	3.60	5.30	5.3	5.2	5.40	
26-Mar	26-Mar	13	4.20	5.40	5.2	5.2	nd	
27-Mar	27-Mar	13	4.00	5.30	nd	5.1	6.73	
28-Mar	28-Mar	13	3.90	nd	5.6	4.9	5.35	
29-Mar	29-Mar	13	4.10	4.10	4.8	6.0	5.41	
30-Mar	30-Mar	13	4.20	2.40	5.0	4.5	4.85	
31-Mar	31-Mar	13	4.60	nd	5.8	4.6	5.07	
01-Apr	01-Apr	13	4.60	2.90	4.5	5.0	4.76	
02-Apr	02-Apr	14	4.20	5.00	4.5	4.8	3.56	
03-Apr	03-Apr	14	4.50	4.50	4.7	5.0	4.75	
04-Apr	04-Apr	14	4.30	5.80	4.8	4.1	4.62	
05-Apr	05-Apr	14	4.40	5.30	5.1	5.1	4.75	
06-Apr	06-Apr	14	4.74	5.20	5.4	5.0	4.91	
07-Apr	07-Apr	14	4.90	4.60	4.2	4.9	4.30	
08-Apr	08-Apr	14	3.79	5.40	4.7	3.8	4.66	
09-Apr	09-Apr	15	4.60	4.70	3.8	5.2	4.76	
10-Apr	10-Apr	15	4.80	5.60	5.3	5.4	5.02	
11-Apr	11-Apr	15	4.70	5.00	5.5	5.6	6.00	
12-Apr	12-Apr	15	3.60	nd	5.6	4.9	3.70	
13-Apr	13-Apr	15	4.43	3.70	3.6	5.1	4.29	
14-Apr	14-Apr	15	5.10	3.10	5.3	5.0	4.80	
15-Apr	15-Apr	15	4.24	3.47	3.9	5.2	4.69	
16-Apr	16-Apr	16	4.20	5.10	4.5	nd	5.07	
17-Apr	17-Apr	16	5.00	3.90	3.3	4.3	4.64	
18-Apr	18-Apr	16	5.10	4.10	4.3	5.1	4.61	
19-Apr	19-Apr	16	2.70	4.90	3.9	5.4	4.93	
20-Apr	20-Apr	16	4.00	4.00	4.8	5.4	4.71	
21-Apr	21-Apr	16	4.09	3.60	nd	5.8	5.10	
22-Apr	22-Apr	16	4.58	3.60	4.6	4.7	5.12	
23-Apr	23-Apr	17	4.40	3.30	4.8	5.2	4.93	
24-Apr	24-Apr	17	4.40	4.30	4.1	5.1	5.20	
25-Apr	25-Apr	17	4.30	4.30	4.2	5.5	4.34	
26-Apr	26-Apr	17	4.70	4.20	nd	5.7	4.81	
27-Apr	27-Apr	17	4.20	4.90	4.8	5.4	4.77	
28-Apr	28-Apr	17	4.29	4.80	5.0	6.2	4.87	
29-Apr	29-Apr	17	3.61	3.70	4.9	5.9	4.61	
30-Apr	30-Apr	18	4.50	4.10	4.7	5.2	5.12	

Oakdale Data 1993 - 2001

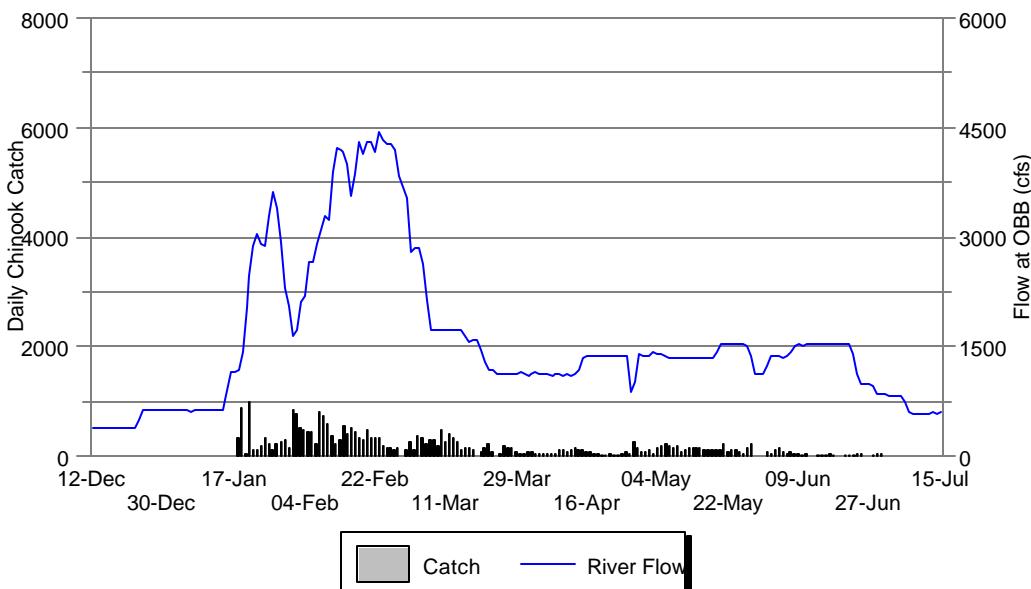
95, 98 99, 01	96, 00 Leap	Year Date	Julian Week	2001 Water Velocity	2000 Water Velocity	1999 Water Velocity	1998 Water Velocity	1996
01-May	01-May	18	4.50	4.00	4.3	nd	4.48	
02-May	02-May	18	4.20	4.10	5.1	nd	nd	
03-May	03-May	18	3.50	3.80	4.1	6.0	4.26	
04-May	04-May	18	4.40	3.90	4.3	5.0	4.89	
05-May	05-May	18	3.60	4.00	4.2	5.6	4.44	
06-May	06-May	18	3.06	4.90	4.2	nd	5.13	
07-May	07-May	19	3.90	4.30	3.9	nd	nd	
08-May	08-May	19	nd	3.40	5.4	nd	nd	
09-May	09-May	19	3.90	4.00	4.8	nd	nd	
10-May	10-May	19	3.00	4.10	4.9	nd	nd	
11-May	11-May	19	3.40	3.40	4.8	4.9	nd	
12-May	12-May	19	3.40	3.90	4.8	5.3	nd	
13-May	13-May	19	4.25	4.30	4.9	4.7	nd	
14-May	14-May	20	3.70	2.50	4.5	5.2	4.80	
15-May	15-May	20	3.50	5.00	4.9	5.2	4.85	
16-May	16-May	20	2.40	5.00	3.8	5.2	5.62	
17-May	17-May	20	4.00	3.30	4.1	5.0	5.03	
18-May	18-May	20	4.40	4.80	3.4	5.2	4.88	
19-May	19-May	20	3.20	4.40	3.4	5.1	4.66	
20-May	20-May	20	3.30	4.90	3.3	5.4	4.97	
21-May	21-May	21	4.20	4.90	3.5	ns	4.75	
22-May	22-May	21	4.30	4.70	3.6	ns	4.87	
23-May	23-May	21	4.21	2.30	3.8	ns	4.95	
24-May	24-May	21	4.20	3.20	3.8	ns	4.43	
25-May	25-May	21	4.30	4.40	4.2	ns	nd	
26-May	26-May	21	4.10	3.50	3.9	ns	4.80	
27-May	27-May	21	4.20	ns	4.1	5.4	4.89	
28-May	28-May	22	4.90	ns	3.2	4.6	5.30	
29-May	29-May	22	4.51	ns	-	nd	4.48	
30-May	30-May	22	4.60	4.60	-	5.1	nd	
31-May	31-May	22	4.30	4.10	-	5.3	4.84	
01-Jun	01-Jun	22	4.20	4.50	5	5.3	4.30	
02-Jun	02-Jun	22	nd	4.50	4.1	5.2	6.03	
03-Jun	03-Jun	22	ns	ns	4.5	5.0	5.03	
04-Jun	04-Jun	23	ns	ns	4.9	5.1	4.80	
05-Jun	05-Jun	23	3.97	4.60	4.1	5.3	5.33	
06-Jun	06-Jun	23	3.80	4.30	4.8	5.6	5.20	
07-Jun	07-Jun	23	3.70	4.40	4.8	5.6	5.00	
08-Jun	08-Jun	23	5.00	4.80	nd	5.1	4.89	
09-Jun	09-Jun	23	ns	4.60	2.8	5.2	-	
10-Jun	10-Jun	23	ns	ns	4.0	4.5	-	
11-Jun	11-Jun	24	4.80	ns	4.7	3.9	-	
12-Jun	12-Jun	24	4.70	3.40	ns	4.8	-	
13-Jun	13-Jun	24	4.70	4.20	ns	5.4	-	
14-Jun	14-Jun	24	4.90	4.20	3.5	4.9	-	
15-Jun	15-Jun	24	4.20	5.10	3.0	3.8	-	
16-Jun	16-Jun	24	ns	4.40	4.2	5.2	-	

Oakdale Data 1993 - 2001

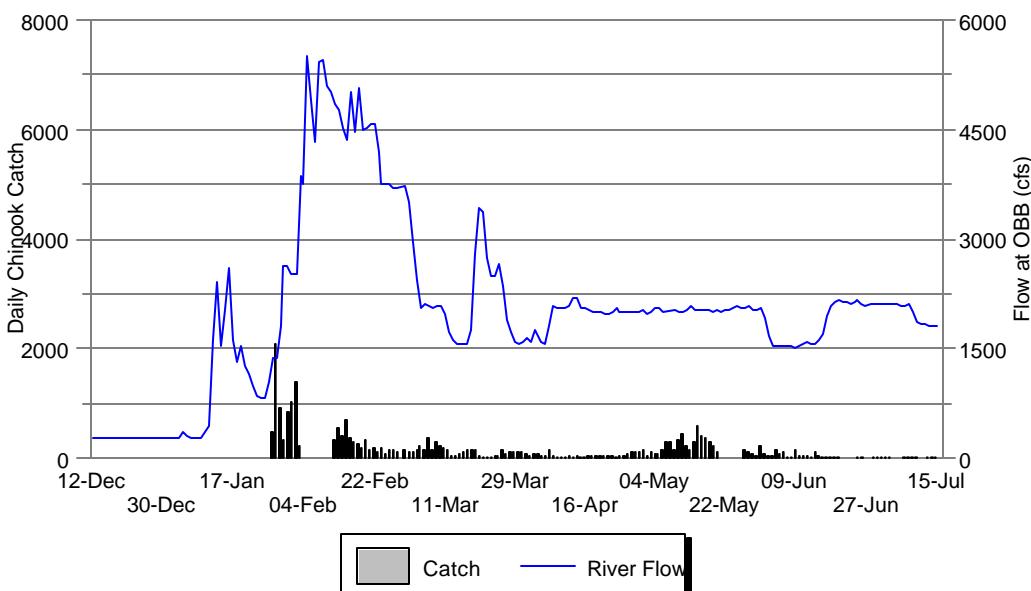
95, 98 99, 01	96, 00 Leap	Year Date	Julian Date	2001 Week	2000 Velocity	1999 Velocity	1998 Velocity	1996 Velocity
17-Jun	17-Jun	24		ns	5.70	5.0	5.6	-
18-Jun	18-Jun	25		4.71	4.80	3.7	5.0	-
19-Jun	19-Jun	25		4.50	4.30	ns	4.9	-
20-Jun	20-Jun	25		4.60	4.20	ns	5.2	-
21-Jun	21-Jun	25		4.70	4.40	4.3	ns	-
22-Jun	22-Jun	25		4.30	2.70	4.2	ns	-
23-Jun	23-Jun	25		ns	5.00	4.0	ns	-
24-Jun	24-Jun	25		ns	ns	3.5	ns	-
25-Jun	25-Jun	26		4.20	ns	5.4	nd	-
26-Jun	26-Jun	26		4.60	4.70	ns	nd	-
27-Jun	27-Jun	26		4.60	4.30	ns	ns	-
28-Jun	28-Jun	26		4.30	4.90	5.0	ns	-
29-Jun	29-Jun	26		4.21	4.00	5.5	nd	-
30-Jun	30-Jun	26		-	5.00	5.8	nd	-
01-Jul	01-Jul	26		-	-	-	nd	-
02-Jul	02-Jul	27		-	-	-	nd	-
03-Jul	03-Jul	27		-	-	-	nd	-
04-Jul	04-Jul	27		-	-	-	ns	-
05-Jul	05-Jul	27		-	-	-	ns	-
06-Jul	06-Jul	27		-	-	-	ns	-
07-Jul	07-Jul	27		-	-	-	nd	-
08-Jul	08-Jul	27		-	-	-	nd	-
09-Jul	09-Jul	28		-	-	-	nd	-
10-Jul	10-Jul	28		-	-	-	nd	-
11-Jul	11-Jul	28		-	-	-	ns	-
12-Jul	12-Jul	28		-	-	-	ns	-
13-Jul	13-Jul	28		-	-	-	5.3	-
14-Jul	14-Jul	28		-	-	-	5.9	-
15-Jul	15-Jul	28		-	-	-	4.9	-

Section 4. Caswell and Oakdale Comparisons

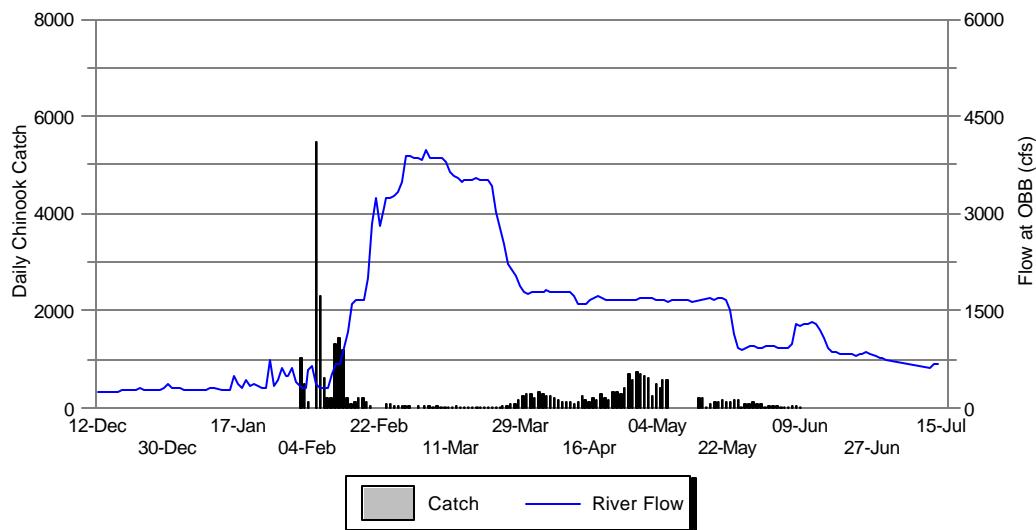
Daily 1999 Flow at OBB and Chinook Catch at Oakdale



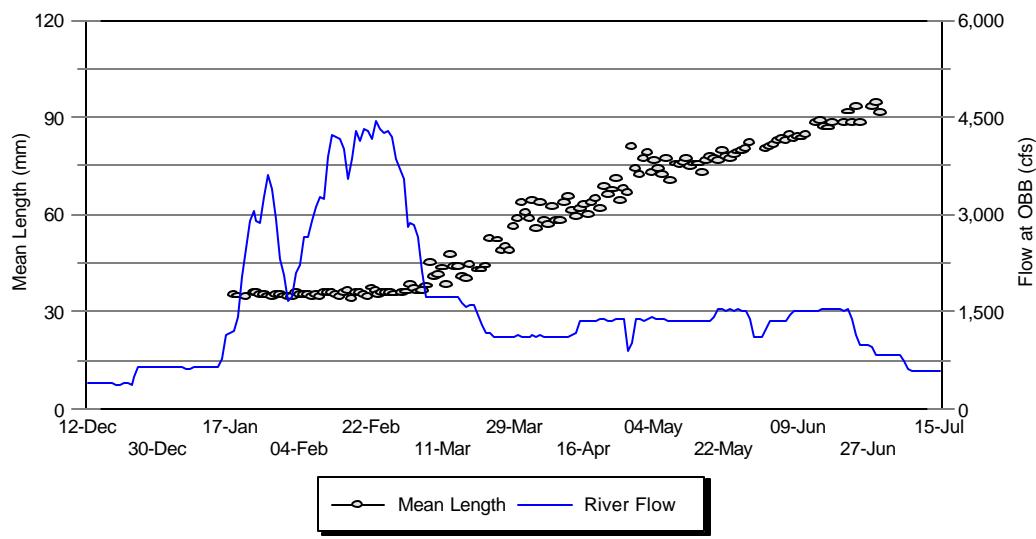
Daily 1998 Flow at OBB and Chinook Catch at Oakdale



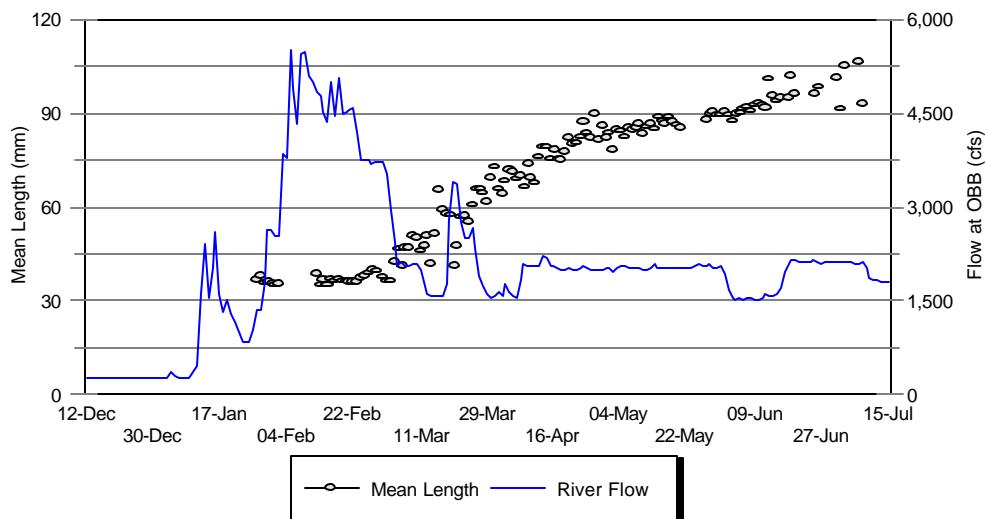
Daily 1996 Flow at OBB and Chinook Catch at Oakdale



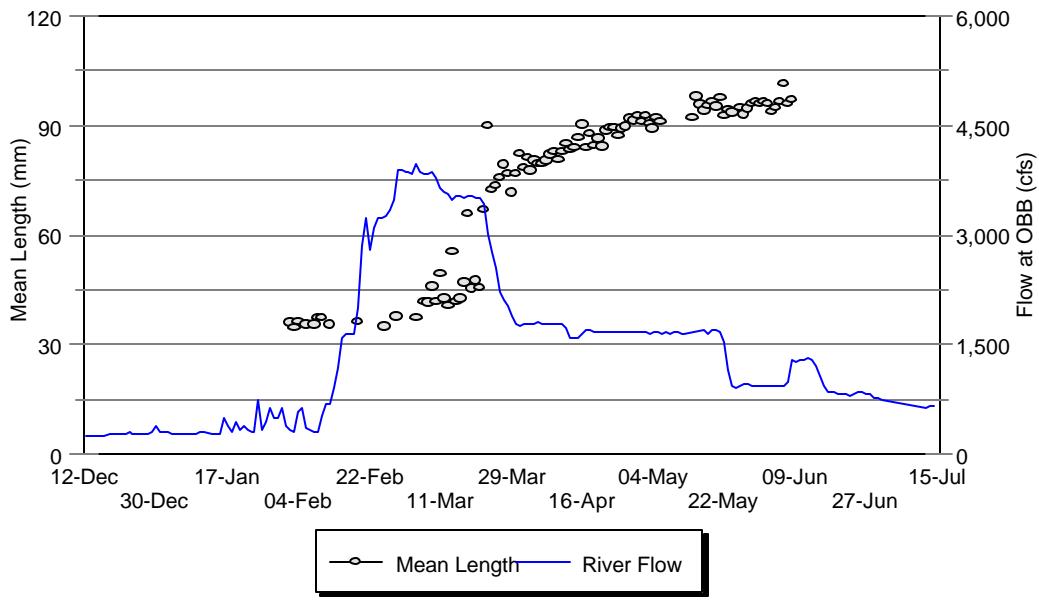
1999 Daily Chinook Mean Lengths at Oakdale



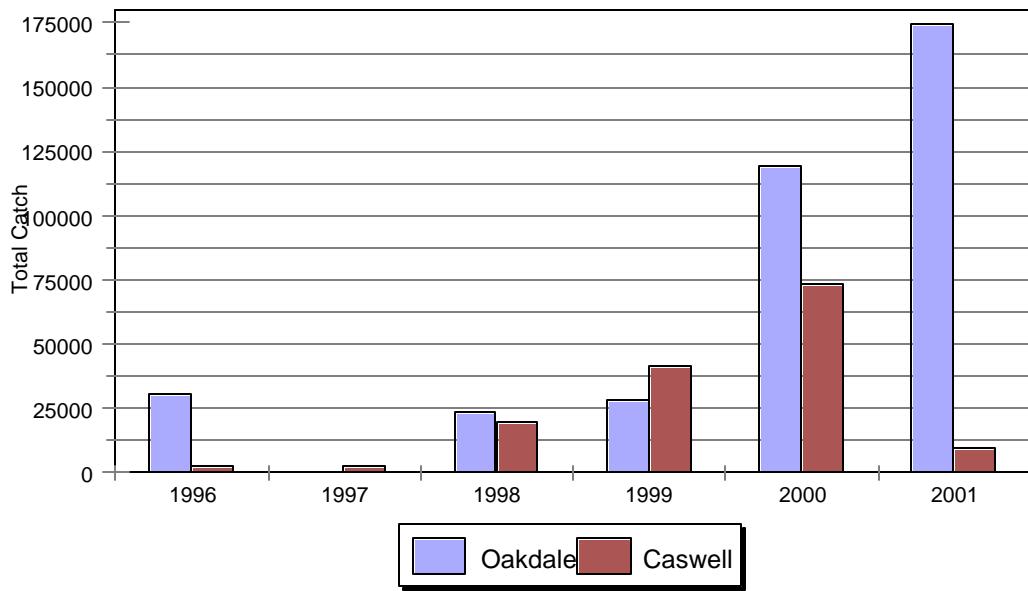
1998 Daily Chinook Mean Lengths at Oakdale



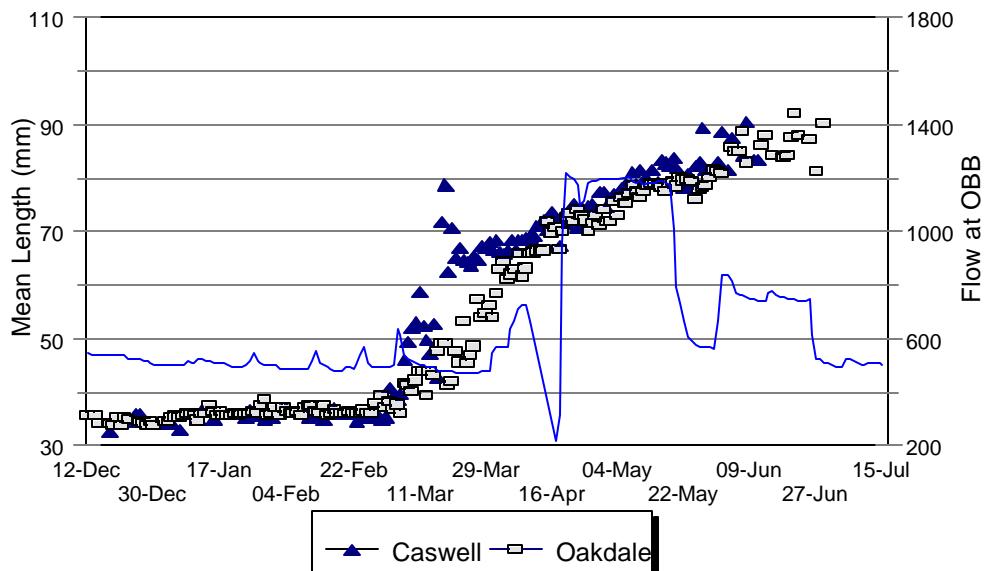
1996 Daily Chinook Mean Lengths at Oakdale



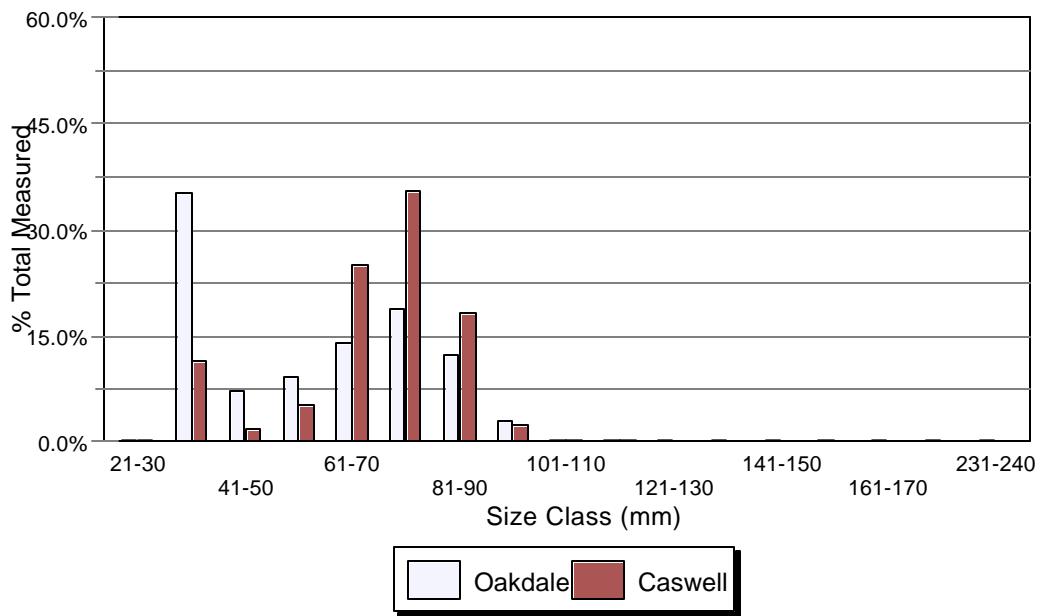
Total Chinook Catch 1996 - 2001 at Oakdale and Caswell



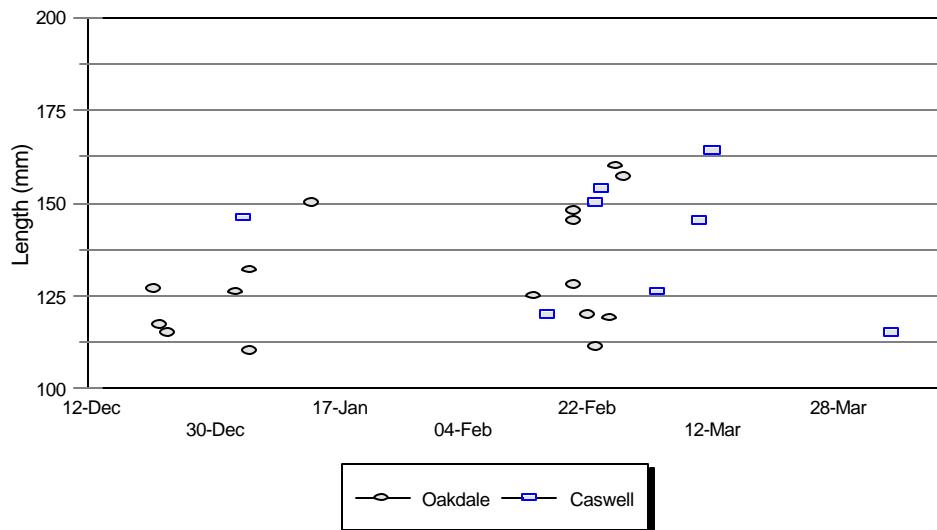
2001 Daily Flow and Chinook Mean Lengths at Oakdale and Caswell



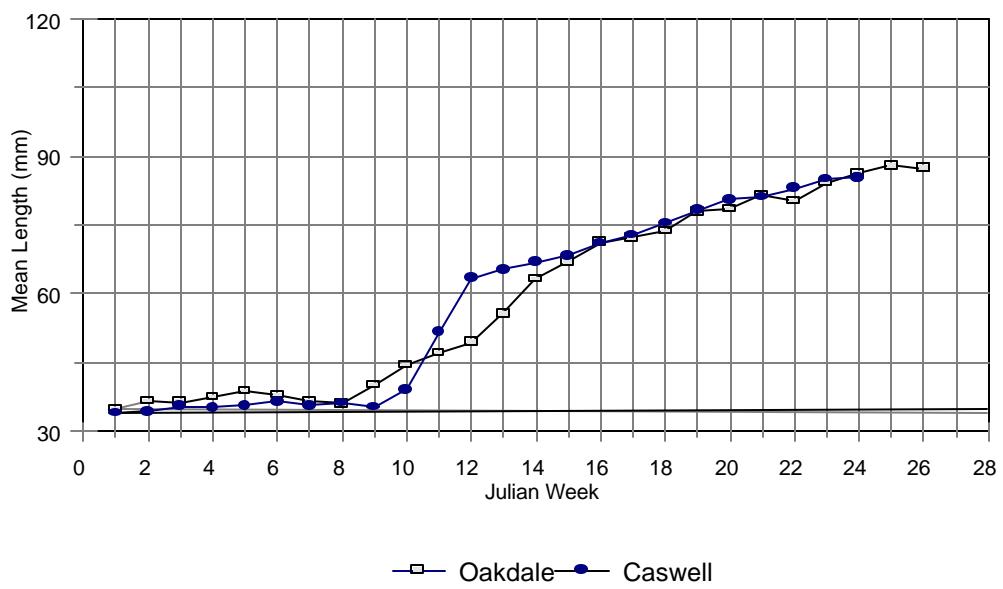
Length Frequencies of Chinook Measured at Oakdale and Caswell - 2001



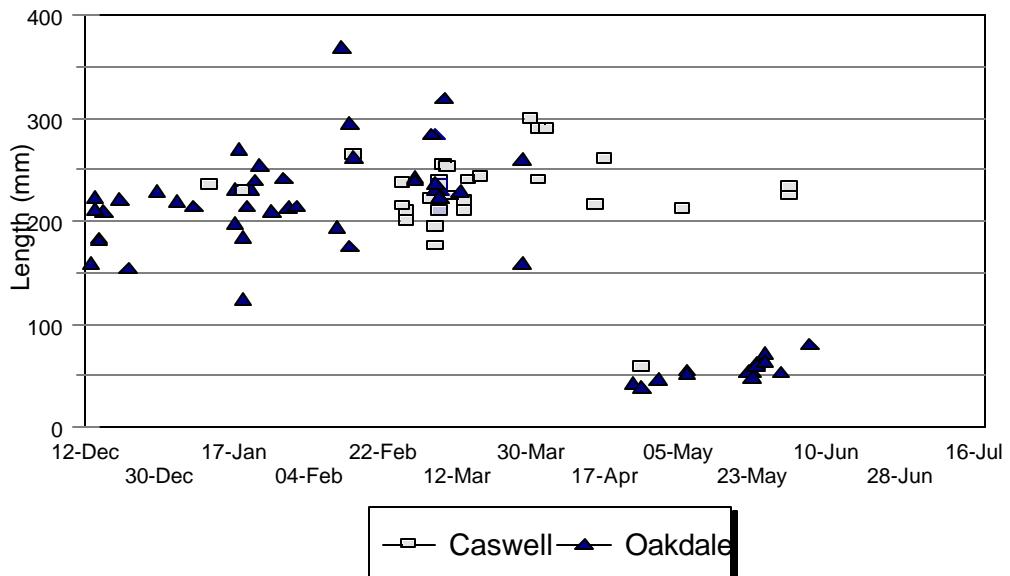
Lengths of Yearling Chinook Captured at Oakdale and Caswell - 2001



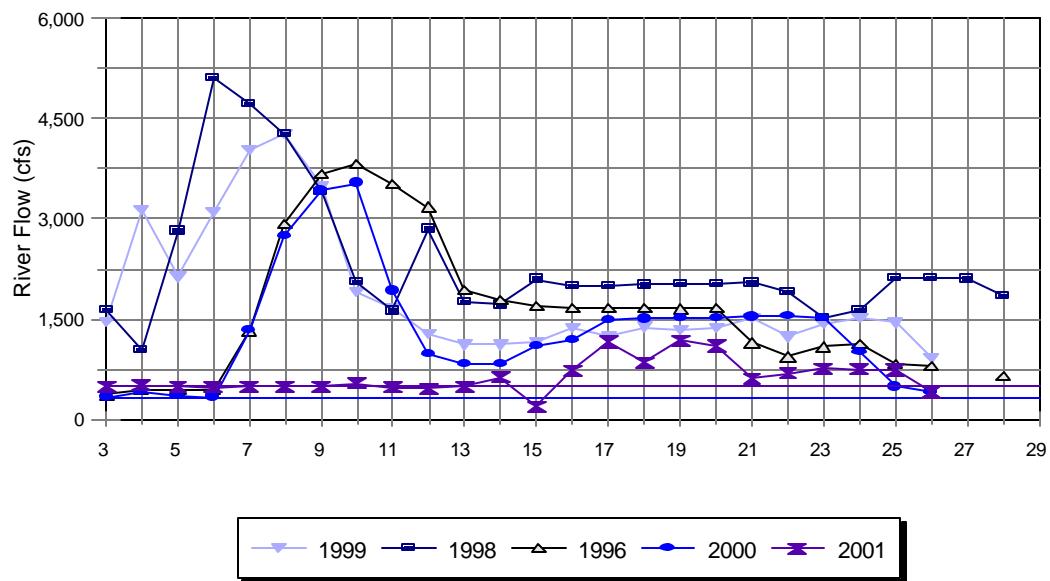
2001 Mean Length by Julian Week at Oakdale and Caswell



Rainbow/Steelhead Captured at Oakdale and Caswell - 2001



Stanislaus River Flow by Julian Week



Section 5. Other Data Collected

Year 2001 Stanislaus Seining Data

Smolt Index: 1= Sac-fry; 2 = Fry; 3= Parr; 5 = Smolt

Site	Date	Time	Haul	Species	Fork Length	Smolt Index	Count
RM 35	09-Feb-01	1015	1	CHNF	42	2	1
RM 35	09-Feb-01	1015	1	HH	40	na	1
RM 35	09-Feb-01	1015	2	CHNF	35	2	1
RM 35	09-Feb-01	1015	2	CHNF	37	2	1
RM 35	09-Feb-01	1015	2	CHNF	39	2	1
RM 35	09-Feb-01	1015	2	CHNF	36	2	1
RM 35	09-Feb-01	1015	2	SASU	57	na	1
RM 30	09-Feb-01	1045	1	CHNF	nd	nd	0
RM 30	09-Feb-01	1045	2	CHNF	nd	nd	0
RM 10	09-Feb-01	1100	1	CHNF	nd	nd	0
RM 10	09-Feb-01	1100	2	CHNF	nd	nd	0
RM 35	08-Mar-01	915	1, 2, 3	CHNF	52	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	61	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	45	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	42	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	48	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	52	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	34	2	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	44	2	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	51	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	57	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	53	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	55	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	42	2	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	49	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	39	2	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	42	2	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	53	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	62	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	56	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	46	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	54	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	53	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	53	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	53	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	54	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	52	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	55	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	50	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	52	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	44	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	53	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	47	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	44	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	43	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	47	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	50	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	52	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	47	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	39	2	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	35	2	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	42	2	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	42	2	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	44	3	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	36	2	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	34	2	1
RM 35	08-Mar-01	915	1, 2, 3	CHNF	33	2	1

Year 2001 Stanislaus Seining Data

Smolt Index:

1= Sac-fry; 2 = Fry; 3= Parr; 5 = Smolt

Site	Date	Time	Haul	Species	Fork Length	Smolt Index	Count
RM 35	08-Mar-01	915	1, 2, 3	CHNF	44	3	1
RM 30	08-Mar-01	1020	1,2	CHNF	40	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	56	3	1
RM 30	08-Mar-01	1020	1,2	CHNF	46	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	44	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	58	3	1
RM 30	08-Mar-01	1020	1,2	CHNF	42	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	44	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	58	3	1
RM 30	08-Mar-01	1020	1,2	CHNF	42	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	46	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	37	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	46	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	42	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	37	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	36	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	42	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	39	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	38	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	40	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	39	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	48	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	37	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	37	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	38	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	39	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	45	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	46	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	40	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	42	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	40	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	37	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	38	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	37	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	49	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	40	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	47	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	37	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	38	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	35	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	40	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	46	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	40	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	42	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	39	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	46	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	39	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	47	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	42	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	44	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	40	2	1
RM 30	08-Mar-01	1020	1,2	CHNF	nd	nd	61
RM 30	08-Mar-01	1020	1,2	SASU	50	na	1
RM 30	08-Mar-01	1020	1,2	SASU	53	na	1
RM 30	08-Mar-01	1020	1,2	SASU	45	na	1
RM 30	08-Mar-01	1020	1,2	HH	46	na	1

Year 2001 Stanislaus Seining Data

Smolt Index:
1= Sac-fry; 2 = Fry; 3= Parr; 5 = Smolt

Site	Date	Time	Haul	Species	Fork Length	Smolt Index	Count
RM 30	08-Mar-01	1020	1,2	HH	43	na	1
RM 30	08-Mar-01	1020	1,2	HH	40	na	1
RM 30	08-Mar-01	1020	1,2	HH	38	na	1
RM 30	08-Mar-01	1020	1,2	HH	42	na	1
RM 30	08-Mar-01	1020	1,2	HH	40	na	1
RM 30	08-Mar-01	1020	1,2	HH	42	na	1
RM 30	08-Mar-01	1020	1,2	MQK	30	na	1
RM 25	09-Mar-01	900	1	CHNF	35	2	1
RM 25	09-Mar-01	900	1	CHNF	46	3	1
RM 25	09-Mar-01	900	1	CHNF	39	2	1
RM 25	09-Mar-01	900	1	CHNF	38	2	1
RM 25	09-Mar-01	900	1	CHNF	42	2	1
RM 25	09-Mar-01	900	1	CHNF	42	2	1
RM 25	09-Mar-01	900	1	CHNF	40	2	1
RM 25	09-Mar-01	900	1	CHNF	53	3	1
RM 25	09-Mar-01	900	1	CHNF	38	2	1
RM 25	09-Mar-01	900	1	CHNF	45	2	1
RM 25	09-Mar-01	900	1	CHNF	41	2	1
RM 25	09-Mar-01	900	1	CHNF	38	2	1
RM 25	09-Mar-01	900	1	CHNF	38	2	1
RM 25	09-Mar-01	900	1	CHNF	40	2	1
RM 25	09-Mar-01	900	1	CHNF	38	2	1
RM 25	09-Mar-01	900	1	CHNF	40	2	1
RM 25	09-Mar-01	900	1	CHNF	35	2	1
RM 25	09-Mar-01	900	1	CHNF	47	2	1
RM 25	09-Mar-01	900	1	CHNF	42	2	1
RM 25	09-Mar-01	900	1	CHNF	44	2	1
RM 25	09-Mar-01	900	1	CHNF	43	2	1
RM 25	09-Mar-01	900	1	CHNF	40	2	1
RM 25	09-Mar-01	900	1	CHNF	42	2	1
RM 25	09-Mar-01	900	1	CHNF	39	2	1
RM 25	09-Mar-01	900	1	CHNF	44	2	1
RM 25	09-Mar-01	900	1	CHNF	36	2	1
RM 25	09-Mar-01	900	1	CHNF	37	2	1
RM 25	09-Mar-01	900	1	CHNF	38	2	1
RM 25	09-Mar-01	900	1	CHNF	37	2	1
RM 25	09-Mar-01	900	1	CHNF	44	2	1
RM 25	09-Mar-01	900	1	CHNF	39	2	1
RM 25	09-Mar-01	900	1	CHNF	45	2	1
RM 25	09-Mar-01	900	1	CHNF	38	2	1
RM 25	09-Mar-01	900	1	CHNF	41	2	1
RM 25	09-Mar-01	900	1	CHNF	38	2	1
RM 25	09-Mar-01	900	1	CHNF	38	2	1
RM 25	09-Mar-01	900	1	CHNF	36	2	1
RM 25	09-Mar-01	900	1	CHNF	36	2	1
RM 25	09-Mar-01	900	1	CHNF	42	2	1
RM 25	09-Mar-01	900	1	CHNF	56	3	1
RM 25	09-Mar-01	900	1	CHNF	40	2	1
RM 25	09-Mar-01	900	1	CHNF	39	2	1
RM 25	09-Mar-01	900	1	CHNF	38	2	1
RM 25	09-Mar-01	900	1	CHNF	44	2	1
RM 25	09-Mar-01	900	1	CHNF	38	2	1
RM 25	09-Mar-01	900	1	CHNF	40	2	1
RM 25	09-Mar-01	900	1	CHNF	37	2	1
RM 25	09-Mar-01	900	1	CHNF	44	2	1
RM 25	09-Mar-01	900	1	CHNF	35	2	1

Year 2001 Stanislaus Seining Data

Smolt Index:
1= Sac-fry; 2 = Fry; 3= Parr; 5 = Smolt

Site	Date	Time	Haul	Species	Fork Length	Smolt Index	Count
RM 25	09-Mar-01	900	1	CHNF	43	2	1
RM 25	09-Mar-01	900	1	CHNF	nd	nd	42
RM 25	09-Mar-01	900	1	SASQ	51	na	1
RM 25	09-Mar-01	900	1	SASQ	47	na	1
RM 25	09-Mar-01	900	1	SASQ	47	na	1
RM 25	09-Mar-01	900	1	SASU	45	na	1
RM 25	09-Mar-01	915	2	CHNF	nd	nd	0
RM 25	09-Mar-01	915	2	SASQ	55	na	1
RM 25	09-Mar-01	930	3	CHNF	38	2	1
RM 20	09-Mar-01	1015	1	CHNF	36	2	1
RM 20	09-Mar-01	1015	1	CHNF	43	2	1
RM 20	09-Mar-01	1015	1	CHNF	55	2	1
RM 20	09-Mar-01	1015	1	CHNF	43	2	1
RM 20	09-Mar-01	1015	1	CHNF	36	2	1
RM 20	09-Mar-01	1015	1	CHNF	38	2	1
RM 20	09-Mar-01	1015	1	CHNF	42	2	1
RM 20	09-Mar-01	1015	1	CHNF	40	2	1
RM 20	09-Mar-01	1015	1	CHNF	38	2	1
RM 20	09-Mar-01	1015	1	CHNF	37	2	1
RM 20	09-Mar-01	1015	1	CHNF	45	2	1
RM 20	09-Mar-01	1015	1	CHNF	41	2	1
RM 20	09-Mar-01	1015	1	CHNF	38	2	1
RM 20	09-Mar-01	1015	1	CHNF	39	2	1
RM 20	09-Mar-01	1015	1	CHNF	44	2	1
RM 20	09-Mar-01	1015	1	CHNF	42	2	1
RM 20	09-Mar-01	1015	1	CHNF	38	2	1
RM 20	09-Mar-01	1015	1	CHNF	38	2	1
RM 20	09-Mar-01	1015	1	CHNF	37	2	1
RM 20	09-Mar-01	1015	1	CHNF	39	2	1
RM 20	09-Mar-01	1015	1	CHNF	38	2	1
RM 20	09-Mar-01	1015	1	CHNF	37	2	1
RM 20	09-Mar-01	1015	1	CHNF	35	2	1
RM 20	09-Mar-01	1015	1	CHNF	38	2	1
RM 20	09-Mar-01	1015	1	CHNF	39	2	1
RM 20	09-Mar-01	1015	1	CHNF	35	2	1
RM 20	09-Mar-01	1015	1	CHNF	40	2	1
RM 20	09-Mar-01	1015	1	CHNF	41	2	1
RM 20	09-Mar-01	1015	1	CHNF	40	2	1
RM 20	09-Mar-01	1015	1	CHNF	38	2	1
RM 20	09-Mar-01	1015	1	CHNF	47	2	1
RM 20	09-Mar-01	1015	1	CHNF	42	2	1
RM 20	09-Mar-01	1015	1	CHNF	39	2	1
RM 20	09-Mar-01	1015	1	CHNF	38	2	1
RM 20	09-Mar-01	1015	1	CHNF	35	2	1
RM 20	09-Mar-01	1015	1	CHNF	39	2	1
RM 20	09-Mar-01	1015	1	CHNF	39	2	1
RM 20	09-Mar-01	1015	1	CHNF	39	2	1
RM 20	09-Mar-01	1015	1	CHNF	39	2	1
RM 20	09-Mar-01	1015	1	SASQ	58	na	1
RM 20	09-Mar-01	1030	2	CHNF	40	2	1
RM 20	09-Mar-01	1030	2	CHNF	38	2	1
RM 20	09-Mar-01	1030	2	CHNF	39	2	1
RM 20	09-Mar-01	1030	2	CHNF	42	2	1
RM 20	09-Mar-01	1045	3	CHNF	41	2	1
RM 15	09-Mar-01	1100	1	CHNF	39	2	1
RM 15	09-Mar-01	1100	1	CHNF	40	2	1
RM 15	09-Mar-01	1100	1	CHNF	44	2	1

Year 2001 Stanislaus Seining Data

Smolt Index:
1= Sac-fry; 2 = Fry; 3= Parr; 5 = Smolt

Site	Date	Time	Haul	Species	Fork Length	Smolt Index	Count
RM 15	09-Mar-01	1100	1	CHNF	55	2	1
RM 15	09-Mar-01	1100	2	CHNF	nd	nd	0
RM 15	09-Mar-01	1100	3	CHNF	nd	nd	0
RM 10	09-Mar-01	1215	1	CHNF	40	2	1
RM 10	09-Mar-01	1215	1	CHNF	35	2	1
RM 10	09-Mar-01	1215	1	LMB	130	na	1
RM 10	09-Mar-01	1215	1	SASU	87	na	1
RM 10	09-Mar-01	1215	1	MQK	29	na	1
RM 10	09-Mar-01	1230	2	CHNF	nd	nd	0
RM 10	09-Mar-01	1230	2	LMB	69	na	1
RM 10	09-Mar-01	1230	3	CHNF	nd	nd	0
RM 0	12-Mar-01	1030	1	CHNF	nd	nd	0
RM 0	12-Mar-01	1030	1	HCH	31	na	1
RM 0	12-Mar-01	1030	1	HCH	34	na	1
RM 0	12-Mar-01	1030	1	HCH	30	na	1
RM 0	12-Mar-01	1030	1	HCH	32	na	1
RM 0	12-Mar-01	1030	1	HCH	33	na	1
RM 0	12-Mar-01	1030	1	HCH	34	na	1
RM 0	12-Mar-01	1030	1	HCH	29	na	1
RM 0	12-Mar-01	1030	1	HCH	28	na	1
RM 0	12-Mar-01	1030	1	HCH	27	na	1
RM 0	12-Mar-01	1030	1	HCH	30	na	1
RM 0	12-Mar-01	1030	1	HCH	21	na	1
RM 0	12-Mar-01	1030	1	HCH	27	na	1
RM 0	12-Mar-01	1030	1	HCH	30	na	1
RM 0	12-Mar-01	1030	1	HCH	30	na	1
RM 0	12-Mar-01	1030	1	HCH	30	na	1
RM 0	12-Mar-01	1030	1	HCH	27	na	1
RM 0	12-Mar-01	1030	1	HCH	26	na	1
RM 0	12-Mar-01	1030	1	HCH	26	na	1
RM 0	12-Mar-01	1030	1	HCH	34	na	1
RM 0	12-Mar-01	1030	1	HCH	31	na	1
RM 0	12-Mar-01	1030	1	HCH	23	na	1
RM 0	12-Mar-01	1030	1	HCH	30	na	1
RM 0	12-Mar-01	1030	1	HCH	32	na	1
RM 0	12-Mar-01	1030	1	HCH	27	na	1
RM 0	12-Mar-01	1030	1	HCH	28	na	1
RM 0	12-Mar-01	1030	1	HCH	24	na	1
RM 0	12-Mar-01	1030	1	HCH	27	na	1
RM 0	12-Mar-01	1030	1	HCH	34	na	1
RM 0	12-Mar-01	1030	1	HCH	27	na	1
RM 0	12-Mar-01	1030	1	HCH	40	na	1
RM 0	12-Mar-01	1030	1	HCH	30	na	1
RM 0	12-Mar-01	1030	1	HCH	30	na	1
RM 0	12-Mar-01	1030	1	HCH	33	na	1
RM 0	12-Mar-01	1030	1	HCH	27	na	1
RM 0	12-Mar-01	1030	1	HCH	26	na	1
RM 0	12-Mar-01	1030	1	HCH	36	na	1
RM 0	12-Mar-01	1030	1	HCH	25	na	1
RM 0	12-Mar-01	1030	1	HCH	24	na	1
RM 0	12-Mar-01	1030	1	HCH	30	na	1
RM 0	12-Mar-01	1030	1	HCH	27	na	1
RM 0	12-Mar-01	1030	1	HCH	31	na	1
RM 0	12-Mar-01	1030	1	HCH	26	na	1
RM 0	12-Mar-01	1030	1	HCH	27	na	1
RM 0	12-Mar-01	1030	1	HCH	22	na	1
RM 0	12-Mar-01	1030	1	HCH	30	na	1

Year 2001 Stanislaus Seining Data

Smolt Index:
1= Sac-fry; 2 = Fry; 3= Parr; 5 = Smolt

Site	Date	Time	Haul	Species	Fork Length	Smolt Index	Count
RM 0	12-Mar-01	1030	1	HCH	33	na	1
RM 0	12-Mar-01	1030	1	HCH	35	na	1
RM 0	12-Mar-01	1030	1	HCH	27	na	1
RM 0	12-Mar-01	1030	1	HCH	33	na	1
RM 0	12-Mar-01	1030	1	HCH	24	na	1
RM 0	12-Mar-01	1030	1	HCH	27	na	1
RM 0	12-Mar-01	1030	1	HCH	nd	na	500
RM 0	12-Mar-01	1100	2	CHNF	40	2	1
RM 0	12-Mar-01	1100	2	HCH	nd	na	270
RM 0	12-Mar-01	1115	3	CHNF	nd	na	0
RM 0	12-Mar-01	1115	3	HCH	nd	na	100
RM 35	22-Mar-01	900	1	CHNF	48	2	1
RM 35	22-Mar-01	900	1	CHNF	62	3	1
RM 35	22-Mar-01	900	1	CHNF	61	3	1
RM 35	22-Mar-01	900	1	CHNF	40	2	1
RM 35	22-Mar-01	900	1	CHNF	52	2	1
RM 35	22-Mar-01	900	1	CHNF	56	3	1
RM 35	22-Mar-01	900	1	CHNF	63	3	1
RM 35	22-Mar-01	900	1	CHNF	49	2	1
RM 35	22-Mar-01	900	1	CHNF	56	3	1
RM 35	22-Mar-01	900	1	CHNF	48	2	1
RM 35	22-Mar-01	900	1	CHNF	40	2	1
RM 35	22-Mar-01	900	1	CHNF	62	3	1
RM 35	22-Mar-01	900	1	SASU	53	na	1
RM 35	22-Mar-01	930	2	CHNF	35	2	1
RM 35	22-Mar-01	930	2	CHNF	39	2	1
RM 35	22-Mar-01	930	2	CHNF	36	2	1
RM 35	22-Mar-01	930	2	CHNF	46	2	1
RM 35	22-Mar-01	930	2	CHNF	52	2	1
RM 35	22-Mar-01	945	3	CHNF	49	2	1
RM 35	22-Mar-01	945	3	CHNF	59	3	1
RM 35	22-Mar-01	945	3	CHNF	65	3	1
RM 30	23-Mar-01	945	1	CHNF	nd	nd	0
RM 30	23-Mar-01	950	2	CHNF	nd	nd	0
RM 30	23-Mar-01	955	3	CHNF	nd	nd	0
RM 25	23-Mar-01	1105	1	CHNF	43	2	1
RM 25	23-Mar-01	1105	1	CHNF	43	2	1
RM 25	23-Mar-01	1105	1	CHNF	52	3	1
RM 25	23-Mar-01	1105	1	CHNF	48	2	1
RM 25	23-Mar-01	1105	1	CHNF	54	2	1
RM 25	23-Mar-01	1105	1	CHNF	49	2	1
RM 25	23-Mar-01	1110	2	CHNF	nd	nd	0
RM 25	23-Mar-01	1110	2	SASU	53	na	1
RM 25	23-Mar-01	1115	3	CHNF	42	2	1
RM 25	23-Mar-01	1115	3	CHNF	37	2	1
RM 20	23-Mar-01	1255	1	CHNF	41	2	1
RM 20	23-Mar-01	1255	1	CHNF	42	2	1
RM 20	23-Mar-01	1255	1	SASQ	58	na	1
RM 20	23-Mar-01	1255	1	SASQ	46	na	1
RM 20	23-Mar-01	1255	1	SASU	58	na	1
RM 20	23-Mar-01	1255	1	SASU	52	na	1
RM 20	23-Mar-01	1255	1	SASU	55	na	1
RM 20	23-Mar-01	1255	1	SASU	53	na	1
RM 20	23-Mar-01	1300	2	CHNF	nd	nd	0
RM 20	23-Mar-01	1300	2	SASQ	54	na	1
RM 20	23-Mar-01	1300	2	SASQ	48	na	1

Year 2001 Stanislaus Seining Data

Smolt Index:
1= Sac-fry; 2 = Fry; 3= Parr; 5 = Smolt

Site	Date	Time	Haul	Species	Fork Length	Smolt Index	Count
RM 20	23-Mar-01	1300	2	SASU	46	na	1
RM 20	23-Mar-01	1305	3	CHNF	nd	nd	0
RM 15	23-Mar-01	1410	1,2,3	CHNF	nd	nd	0
RM 10	23-Mar-01	1515	1,2,3	CHNF	nd	nd	0
RM 0	24-Mar-01	920	1	CHNF	nd	nd	0
RM 0	24-Mar-01	920	1	HCH	26	na	1
RM 0	24-Mar-01	920	1	HCH	28	na	1
RM 0	24-Mar-01	920	1	HCH	26	na	1
RM 0	24-Mar-01	920	1	HCH	23	na	1
RM 0	24-Mar-01	920	1	HCH	25	na	1
RM 0	24-Mar-01	920	1	HCH	26	na	1
RM 0	24-Mar-01	920	1	HCH	25	na	1
RM 0	24-Mar-01	920	1	HCH	27	na	1
RM 0	24-Mar-01	920	1	HCH	25	na	1
RM 0	24-Mar-01	925	2	CHNF	nd	nd	0
RM 0	24-Mar-01	925	2	HCH	24	na	1
RM 0	24-Mar-01	925	2	HCH	25	na	1
RM 0	24-Mar-01	925	2	HCH	24	na	1
RM 0	24-Mar-01	925	2	HCH	26	na	1
RM 0	24-Mar-01	925	2	HCH	24	na	1
RM 0	24-Mar-01	930	3	CHNF	nd	nd	0
RM 0	24-Mar-01	930	3	HCH	22	na	1
RM 0	24-Mar-01	930	3	HCH	26	na	1
RM 0	05-Apr-01	1445	1	CHNF	56	3	1
RM 0	05-Apr-01	1445	1	HCH	34	na	1
RM 0	05-Apr-01	1445	1	HCH	42	na	1
RM 0	05-Apr-01	1445	1	HCH	40	na	1
RM 0	05-Apr-01	1445	1	HCH	41	na	1
RM 0	05-Apr-01	1445	1	HCH	38	na	1
RM 0	05-Apr-01	1445	1	HCH	40	na	1
RM 0	05-Apr-01	1445	1	HCH	39	na	1
RM 0	05-Apr-01	1445	1	HCH	41	na	1
RM 0	05-Apr-01	1445	2	CHNF	58	3	1
RM 0	05-Apr-01	1445	2	CHNF	57	3	1
RM 0	05-Apr-01	1445	3	CHNF	61	3	1
RM 10	06-Apr-01	1500	1	CHNF	58	3	1
RM 10	06-Apr-01	1500	1	CHNF	65	3	1
RM 10	06-Apr-01	1500	1	CHNF	72	3	1
RM 10	06-Apr-01	1500	1	CHNF	67	3	1
RM 10	06-Apr-01	1500	1	CHNF	56	3	1
RM 10	06-Apr-01	1500	1	CHNF	58	3	1
RM 10	06-Apr-01	1500	1	CHNF	67	3	1
RM 10	06-Apr-01	1500	1	CHNF	60	3	1
RM 10	06-Apr-01	1500	1	CHNF	59	3	1
RM 10	06-Apr-01	1500	1	MQK	29	na	1
RM 10	06-Apr-01	1505	2	CHNF	nd	nd	0
RM 10	06-Apr-01	1510	3	CHNF	nd	nd	0
RM 15	06-Apr-01	1325	1	CHNF	63	3	1
RM 15	06-Apr-01	1325	1	CHNF	57	3	1
RM 15	06-Apr-01	1325	1	CHNF	61	3	1
RM 15	06-Apr-01	1325	1	CHNF	59	3	1
RM 15	06-Apr-01	1325	1	CHNF	56	3	1
RM 15	06-Apr-01	1325	1	CHNF	58	3	1
RM 15	06-Apr-01	1325	1	CHNF	60	3	1
RM 15	06-Apr-01	1325	1	CHNF	63	3	1
RM 15	06-Apr-01	1325	1	CHNF	59	3	1

Year 2001 Stanislaus Seining Data

Smolt Index:

1= Sac-fry; 2 = Fry; 3= Parr; 5 = Smolt

Site	Date	Time	Haul	Species	Fork Length	Smolt Index	Count
RM 15	06-Apr-01	1325	1	CHNF	65	3	1
RM 15	06-Apr-01	1325	1	CHNF	59	3	1
RM 15	06-Apr-01	1325	1	CHNF	55	3	1
RM 15	06-Apr-01	1325	1	CHNF	58	3	1
RM 15	06-Apr-01	1325	1	CHNF	57	3	1
RM 15	06-Apr-01	1325	1	CHNF	54	3	1
RM 15	06-Apr-01	1325	1	CHNF	61	3	1
RM 15	06-Apr-01	1325	1	CHNF	61	3	1
RM 15	06-Apr-01	1325	1	CHNF	55	3	1
RM 15	06-Apr-01	1325	1	CHNF	54	3	1
RM 15	06-Apr-01	1325	1	CHNF	51	3	1
RM 15	06-Apr-01	1325	1	CHNF	60	3	1
RM 15	06-Apr-01	1325	1	CHNF	60	3	1
RM 15	06-Apr-01	1325	1	CHNF	53	3	1
RM 15	06-Apr-01	1325	1	CHNF	56	3	1
RM 15	06-Apr-01	1325	1	CHNF	57	3	1
RM 15	06-Apr-01	1325	1	CHNF	58	3	1
RM 15	06-Apr-01	1325	1	CHNF	58	3	1
RM 15	06-Apr-01	1325	1	CHNF	60	3	1
RM 15	06-Apr-01	1325	1	CHNF	70	3	1
RM 15	06-Apr-01	1325	1	CHNF	59	3	1
RM 15	06-Apr-01	1325	1	CHNF	62	3	1
RM 15	06-Apr-01	1325	1	CHNF	58	3	1
RM 15	06-Apr-01	1325	1	CHNF	64	3	1
RM 15	06-Apr-01	1325	1	CHNF	60	3	1
RM 15	06-Apr-01	1325	1	CHNF	56	3	1
RM 15	06-Apr-01	1325	1	CHNF	54	3	1
RM 15	06-Apr-01	1325	1	CHNF	52	3	1
RM 15	06-Apr-01	1325	1	CHNF	57	3	1
RM 15	06-Apr-01	1325	1	CHNF	62	3	1
RM 15	06-Apr-01	1325	1	CHNF	60	3	1
RM 15	06-Apr-01	1325	1	CHNF	62	3	1
RM 15	06-Apr-01	1325	1	CHNF	60	3	1
RM 15	06-Apr-01	1325	1	CHNF	64	3	1
RM 15	06-Apr-01	1325	1	CHNF	53	3	1
RM 15	06-Apr-01	1325	1	CHNF	61	3	1
RM 15	06-Apr-01	1325	1	CHNF	53	3	1
RM 15	06-Apr-01	1325	1	CHNF	55	3	1
RM 15	06-Apr-01	1325	1	CHNF	56	3	1
RM 15	06-Apr-01	1325	1	CHNF	61	3	1
RM 15	06-Apr-01	1325	1	CHNF	58	3	1
RM 15	06-Apr-01	1325	1	CHNF	nd	nd	11
RM 15	06-Apr-01	1325	1	HH	70	na	1
RM 15	06-Apr-01	1325	1	HH	66	na	1
RM 15	06-Apr-01	1325	1	HH	55	na	1
RM 15	06-Apr-01	1325	1	HH	62	na	1
RM 15	06-Apr-01	1325	1	HH	57	na	1
RM 15	06-Apr-01	1325	1	HH	59	na	1
RM 15	06-Apr-01	1325	1	HH	66	na	1
RM 15	06-Apr-01	1325	1	HH	63	na	1
RM 15	06-Apr-01	1325	1	HH	62	na	1
RM 15	06-Apr-01	1325	1	HH	56	na	1
RM 15	06-Apr-01	1325	1	HH	55	na	1
RM 15	06-Apr-01	1325	1	HH	64	na	1
RM 15	06-Apr-01	1325	1	HH	60	na	1
RM 15	06-Apr-01	1325	1	HH	60	na	1

Year 2001 Stanislaus Seining Data

Smolt Index:
1= Sac-fry; 2 = Fry; 3= Parr; 5 = Smolt

Site	Date	Time	Haul	Species	Fork Length	Smolt Index	Count
RM 15	06-Apr-01	1325	1	HH	57	na	1
RM 15	06-Apr-01	1325	1	HH	50	na	1
RM 15	06-Apr-01	1325	1	HH	71	na	1
RM 15	06-Apr-01	1325	1	HH	46	na	1
RM 15	06-Apr-01	1325	1	HH	64	na	1
RM 15	06-Apr-01	1325	1	HH	58	na	1
RM 15	06-Apr-01	1325	1	HH	nd	na	14
RM 15	06-Apr-01	1325	1	SASU	80	na	1
RM 15	06-Apr-01	1325	1	SASU	66	na	1
RM 15	06-Apr-01	1330	2	CHNF	72	3	1
RM 15	06-Apr-01	1330	2	CHNF	57	3	1
RM 15	06-Apr-01	1330	2	CHNF	56	3	1
RM 15	06-Apr-01	1330	2	HH	57	na	1
RM 15	06-Apr-01	1330	2	HH	48	na	1
RM 15	06-Apr-01	1330	2	HH	56	na	1
RM 15	06-Apr-01	1330	2	HH	62	na	1
RM 15	06-Apr-01	1330	2	HH	47	na	1
RM 15	06-Apr-01	1330	2	HH	53	na	1
RM 15	06-Apr-01	1330	2	HH	59	na	1
RM 15	06-Apr-01	1330	2	HH	52	na	1
RM 15	06-Apr-01	1330	2	HH	49	na	1
RM 15	06-Apr-01	1335	3	CHNF	nd	nd	0
RM 20	06-Apr-01	1200	1	CHNF	67	3	1
RM 20	06-Apr-01	1200	1	CHNF	57	3	1
RM 20	06-Apr-01	1200	1	CHNF	60	3	1
RM 20	06-Apr-01	1200	1	CHNF	64	3	1
RM 20	06-Apr-01	1200	1	CHNF	30	2	1
RM 20	06-Apr-01	1200	1	CHNF	54	3	1
RM 20	06-Apr-01	1200	1	CHNF	56	3	1
RM 20	06-Apr-01	1200	1	CHNF	56	3	1
RM 20	06-Apr-01	1200	1	CHNF	60	3	1
RM 20	06-Apr-01	1200	1	CHNF	52	3	1
RM 20	06-Apr-01	1200	1	CHNF	52	3	1
RM 20	06-Apr-01	1200	1	CHNF	52	3	1
RM 20	06-Apr-01	1200	1	CHNF	52	3	1
RM 20	06-Apr-01	1200	1	CHNF	20	na	1
RM 20	06-Apr-01	1200	1	MQK	23	na	1
RM 20	06-Apr-01	1200	1	HH	60	na	1
RM 20	06-Apr-01	1200	1	HH	57	na	1
RM 20	06-Apr-01	1200	1	HH	43	na	1
RM 20	06-Apr-01	1200	1	HH	62	na	1
RM 20	06-Apr-01	1200	1	HH	70	na	1
RM 20	06-Apr-01	1200	1	HH	48	na	1
RM 20	06-Apr-01	1200	1	HH	63	na	1
RM 20	06-Apr-01	1200	1	HH	60	na	1
RM 20	06-Apr-01	1200	1	HH	57	na	1
RM 20	06-Apr-01	1200	1	HH	56	na	1
RM 20	06-Apr-01	1200	1	HH	61	na	1
RM 20	06-Apr-01	1200	1	HH	55	na	1
RM 20	06-Apr-01	1200	1	HH	54	na	1
RM 20	06-Apr-01	1200	1	HH	55	na	1
RM 20	06-Apr-01	1200	1	HH	53	na	1
RM 20	06-Apr-01	1200	1	HH	57	na	1
RM 20	06-Apr-01	1200	1	HH	57	na	1
RM 20	06-Apr-01	1200	1	HH	44	na	1
RM 20	06-Apr-01	1200	1	HH	62	na	1
RM 20	06-Apr-01	1200	1	HH	59	na	1

Year 2001 Stanislaus Seining Data

Smolt Index:
1= Sac-fry; 2 = Fry; 3= Parr; 5 = Smolt

Site	Date	Time	Haul	Species	Fork Length	Smolt Index	Count
RM 20	06-Apr-01	1200	1	HH	61	na	1
RM 20	06-Apr-01	1200	1	HH	55	na	1
RM 20	06-Apr-01	1200	1	HH	57	na	1
RM 20	06-Apr-01	1200	1	HH	nd	na	14
RM 20	06-Apr-01	1215	2	CHNF	71	3	1
RM 20	06-Apr-01	1215	2	CHNF	52	3	1
RM 20	06-Apr-01	1215	2	CHNF	57	3	1
RM 20	06-Apr-01	1215	2	CHNF	52	3	1
RM 20	06-Apr-01	1215	2	HH	50	na	1
RM 20	06-Apr-01	1215	2	HH	39	na	1
RM 20	06-Apr-01	1215	2	HH	44	na	1
RM 20	06-Apr-01	1215	2	HH	60	na	1
RM 20	06-Apr-01	1220	3	CHNF	54	3	1
RM 25	06-Apr-01	1055	1	CHNF	69	3	1
RM 25	06-Apr-01	1055	1	CHNF	60	3	1
RM 25	06-Apr-01	1055	1	CHNF	60	3	1
RM 25	06-Apr-01	1055	1	CHNF	54	3	1
RM 25	06-Apr-01	1055	1	CHNF	62	3	1
RM 25	06-Apr-01	1055	1	CHNF	56	3	1
RM 25	06-Apr-01	1055	1	CHNF	57	3	1
RM 25	06-Apr-01	1100	2	CHNF	57	3	1
RM 25	06-Apr-01	1100	2	CHNF	53	3	1
RM 25	06-Apr-01	1100	2	CHNF	56	3	1
RM 25	06-Apr-01	1100	2	CHNF	60	3	1
RM 25	06-Apr-01	1100	2	CHNF	63	3	1
RM 25	06-Apr-01	1105	3	CHNF	54	3	1
RM 25	06-Apr-01	1105	3	CHNF	65	3	1
RM 30	05-Apr-01	1225	1	CHNF	56	3	1
RM 30	05-Apr-01	1225	1	CHNF	64	3	1
RM 30	05-Apr-01	1225	1	CHNF	63	3	1
RM 30	05-Apr-01	1225	1	CHNF	60	3	1
RM 30	05-Apr-01	1225	1	CHNF	58	3	1
RM 30	05-Apr-01	1225	1	CHNF	56	3	1
RM 30	05-Apr-01	1225	1	CHNF	52	3	1
RM 30	05-Apr-01	1225	1	CHNF	56	3	1
RM 30	05-Apr-01	1225	1	SASQ	35	na	1
RM 30	05-Apr-01	1230	2	SASU	55	na	1
RM 30	05-Apr-01	1230	2	CHNF	56	3	1
RM 30	05-Apr-01	1230	2	CHNF	68	3	1
RM 30	05-Apr-01	1230	2	CHNF	57	3	1
RM 30	05-Apr-01	1230	2	CHNF	55	3	1
RM 30	05-Apr-01	1230	2	CHNF	63	3	1
RM 30	05-Apr-01	1230	2	CHNF	58	3	1
RM 30	05-Apr-01	1230	2	CHNF	51	3	1
RM 30	05-Apr-01	1235	3	CHNF	73	3	1
RM 30	05-Apr-01	1235	3	SASU	46	na	1
RM 35	05-Apr-01	1025	1	CHNF	60	3	1
RM 35	05-Apr-01	1025	1	CHNF	55	3	1
RM 35	05-Apr-01	1025	1	CHNF	55	3	1
RM 35	05-Apr-01	1025	1	CHNF	58	3	1
RM 35	05-Apr-01	1025	1	CHNF	60	3	1
RM 35	05-Apr-01	1025	1	CHNF	46	3	1
RM 35	05-Apr-01	1025	1	CHNF	59	3	1
RM 35	05-Apr-01	1025	1	CHNF	65	3	1
RM 35	05-Apr-01	1025	1	CHNF	55	3	1
RM 35	05-Apr-01	1025	1	CHNF	54	3	1

Year 2001 Stanislaus Seining Data

Smolt Index:
1= Sac-fry; 2 = Fry; 3= Parr; 5 = Smolt

Site	Date	Time	Haul	Species	Fork Length	Smolt Index	Count
RM 35	05-Apr-01	1030	2	CHNF	54	3	1
RM 35	05-Apr-01	1030	2	CHNF	56	3	1
RM 35	05-Apr-01	1030	2	CHNF	54	3	1
RM 35	05-Apr-01	1030	2	CHNF	71	3	1
RM 35	05-Apr-01	1030	2	CHNF	65	3	1
RM 35	05-Apr-01	1030	2	CHNF	54	3	1
RM 35	05-Apr-01	1030	2	CHNF	54	3	1
RM 35	05-Apr-01	1030	2	CHNF	61	3	1
RM 35	05-Apr-01	1030	2	CHNF	49	3	1
RM 35	05-Apr-01	1030	2	SASQ	40	na	1
RM 35	05-Apr-01	1035	3	CHNF	nd	nd	0
RM 0	19-Apr-01	ns	ns	ns	ns	ns	ns
RM 10	20-Apr-01	ns	ns	ns	ns	ns	ns
RM 15	20-Apr-01	ns	ns	ns	ns	ns	ns
RM 20	20-Apr-01	ns	ns	ns	ns	ns	ns
RM 25	20-Apr-01	ns	ns	ns	ns	ns	ns
RM 30	19-Apr-01	1130	1	CHNF	80	3	1
RM 30	19-Apr-01	1130	1	CHNF	60	3	1
RM 30	19-Apr-01	1130	1	CHNF	69	3	1
RM 30	19-Apr-01	1130	1	CHNF	63	3	1
RM 30	19-Apr-01	1130	1	CHNF	66	3	1
RM 30	19-Apr-01	1130	1	CHNF	71	3	1
RM 30	19-Apr-01	1130	1	CHNF	68	3	1
RM 30	19-Apr-01	1130	1	CHNF	74	3	1
RM 30	19-Apr-01	1130	1	CHNF	53	3	1
RM 30	19-Apr-01	1130	1	CHNF	60	3	1
RM 30	19-Apr-01	1130	1	CHNF	67	3	1
RM 30	19-Apr-01	1130	1	CHNF	63	3	1
RM 30	19-Apr-01	1130	1	CHNF	70	3	1
RM 30	19-Apr-01	1130	1	CHNF	65	3	1
RM 30	19-Apr-01	1130	1	CHNF	67	3	1
RM 30	19-Apr-01	1130	1	CHNF	68	3	1
RM 30	19-Apr-01	1130	1	CHNF	63	3	1
RM 30	19-Apr-01	1130	1	CHNF	66	3	1
RM 30	19-Apr-01	1130	1	CHNF	65	3	1
RM 30	19-Apr-01	1130	1	CHNF	60	3	1
RM 30	19-Apr-01	1130	1	CHNF	68	3	1
RM 30	19-Apr-01	1130	1	CHNF	58	3	1
RM 30	19-Apr-01	1130	1	CHNF	70	3	1
RM 30	19-Apr-01	1130	1	CHNF	69	3	1
RM 30	19-Apr-01	1130	1	CHNF	64	3	1
RM 30	19-Apr-01	1130	1	CHNF	55	3	1
RM 30	19-Apr-01	1130	1	CHNF	64	3	1
RM 30	19-Apr-01	1130	1	CHNF	53	3	1
RM 30	19-Apr-01	1130	1	CHNF	68	3	1
RM 30	19-Apr-01	1130	1	CHNF	61	3	1
RM 30	19-Apr-01	1130	1	CHNF	61	3	1
RM 30	19-Apr-01	1130	1	CHNF	48	2	1
RM 30	19-Apr-01	1130	1	CHNF	66	3	1
RM 30	19-Apr-01	1130	1	CHNF	62	3	1
RM 30	19-Apr-01	1130	1	CHNF	57	3	1
RM 30	19-Apr-01	1130	1	CHNF	67	3	1
RM 30	19-Apr-01	1130	1	CHNF	63	3	1
RM 30	19-Apr-01	1130	1	CHNF	68	3	1
RM 30	19-Apr-01	1130	1	CHNF	58	3	1
RM 30	19-Apr-01	1130	1	CHNF	60	3	1

Year 2001 Stanislaus Seining Data

Smolt Index:
1= Sac-fry; 2 = Fry; 3= Parr; 5 = Smolt

Site	Date	Time	Haul	Species	Fork Length	Smolt Index	Count
RM 30	19-Apr-01	1130	1	SASQ	83	na	1
RM 30	19-Apr-01	1130	1	SASQ	33	na	1
RM 30	19-Apr-01	1130	1	SASQ	58	na	1
RM 30	19-Apr-01	1135	2	CHNF	71	3	1
RM 30	19-Apr-01	1135	2	CHNF	73	3	1
RM 30	19-Apr-01	1135	2	CHNF	76	3	1
RM 30	19-Apr-01	1135	2	CHNF	66	3	1
RM 30	19-Apr-01	1135	2	CHNF	71	3	1
RM 30	19-Apr-01	1135	2	CHNF	60	3	1
RM 30	19-Apr-01	1135	2	CHNF	64	3	1
RM 30	19-Apr-01	1135	2	CHNF	55	3	1
RM 30	19-Apr-01	1135	2	CHNF	75	3	1
RM 30	19-Apr-01	1135	2	CHNF	66	3	1
RM 30	19-Apr-01	1135	2	CHNF	68	3	1
RM 30	19-Apr-01	1135	2	CHNF	66	3	1
RM 30	19-Apr-01	1135	2	CHNF	67	3	1
RM 30	19-Apr-01	1135	2	CHNF	68	3	1
RM 30	19-Apr-01	1135	2	CHNF	65	3	1
RM 30	19-Apr-01	1135	2	CHNF	72	3	1
RM 30	19-Apr-01	1135	2	CHNF	68	3	1
RM 30	19-Apr-01	1135	2	CHNF	77	3	1
RM 30	19-Apr-01	1135	2	CHNF	77	3	1
RM 30	19-Apr-01	1135	2	CHNF	70	3	1
RM 30	19-Apr-01	1135	2	CHNF	65	3	1
RM 30	19-Apr-01	1135	2	CHNF	62	3	1
RM 30	19-Apr-01	1135	2	CHNF	61	3	1
RM 30	19-Apr-01	1135	2	SASQ	62	na	1
RM 30	19-Apr-01	1140	3	CHNF	65	3	1
RM 30	19-Apr-01	1140	3	CHNF	66	3	1
RM 30	19-Apr-01	1140	3	CHNF	77	3	1
RM 30	19-Apr-01	1140	3	CHNF	62	3	1
RM 30	19-Apr-01	1140	3	CHNF	90	3	1
RM 30	19-Apr-01	1140	3	CHNF	65	3	1
RM 30	19-Apr-01	1140	3	CHNF	70	3	1
RM 30	19-Apr-01	1140	3	CHNF	76	3	1
RM 30	19-Apr-01	1140	3	CHNF	66	3	1
RM 30	19-Apr-01	1140	3	CHNF	68	3	1
RM 30	19-Apr-01	1140	3	CHNF	63	3	1
RM 30	19-Apr-01	1140	3	CHNF	68	3	1
RM 30	19-Apr-01	1140	3	CHNF	69	3	1
RM 30	19-Apr-01	1140	3	CHNF	60	3	1
RM 30	19-Apr-01	1140	3	CHNF	56	3	1
RM 35	19-Apr-01	ns	ns	ns	ns	ns	ns
RM 0	03-May-01	ns	ns	ns	ns	ns	ns
RM 10	04-May-01	ns	ns	ns	ns	ns	ns
RM 15	04-May-01	ns	ns	ns	ns	ns	ns
RM 20	04-May-01	1430	1	CHNF	nd	nd	0
RM 20	04-May-01	1430	1	MQK	30	na	1
RM 20	04-May-01	1430	1	PRS	40	na	1
RM 20	04-May-01	1435	2	CHNF	nd	nd	0
RM 20	04-May-01	1440	3	CHNF	nd	nd	0
RM 25	04-May-01	ns	ns	ns	ns	ns	ns
RM 30	03-May-01	1515	1	CHNF	75	3	1
RM 30	03-May-01	1515	1	CHNF	75	3	1
RM 30	03-May-01	1520	2	CHNF	nd	nd	0
RM 30	03-May-01	1525	3	CHNF	nd	nd	0

Year 2001 Stanislaus Seining Data

Smolt Index:
1= Sac-fry; 2 = Fry; 3= Parr; 5 = Smolt

Site	Date	Time	Haul	Species	Fork Length	Smolt Index	Count
RM 35	03-May-01	ns	ns	ns	ns	ns	ns
RM 0	24-May-01	1400	1	CHNF	nd	nd	0
RM 0	24-May-01	1400	1	HCH	45	na	1
RM 0	24-May-01	1400	1	HCH	52	na	1
RM 0	24-May-01	1400	1	HCH	37	na	1
RM 0	24-May-01	1400	1	HCH	42	na	1
RM 0	24-May-01	1400	1	HCH	47	na	1
RM 0	24-May-01	1400	1	HCH	43	na	1
RM 0	24-May-01	1400	1	HCH	50	na	1
RM 0	24-May-01	1400	1	HCH	41	na	1
RM 0	24-May-01	1400	1	SASU	47	na	1
RM 0	24-May-01	1400	1	SASU	52	na	1
RM 0	24-May-01	1400	1	SASU	37	na	1
RM 0	24-May-01	1400	1	MSS	68	na	1
RM 0	24-May-01	1400	1	SASQ	70	na	1
RM 0	24-May-01	1410	2	CHNF	nd	nd	0
RM 0	24-May-01	1410	2	SASU	38	na	1
RM 0	24-May-01	1410	2	SASU	37	na	1
RM 0	24-May-01	1410	2	HCH	49	na	1
RM 0	24-May-01	1410	2	HCH	48	na	1
RM 0	24-May-01	1410	2	HCH	47	na	1
RM 0	24-May-01	1410	2	HCH	37	na	1
RM 0	24-May-01	1410	2	HCH	46	na	1
RM 0	24-May-01	1410	2	HCH	45	na	1
RM 0	24-May-01	1410	2	HCH	42	na	1
RM 0	24-May-01	1410	2	HCH	32	na	1
RM 0	24-May-01	1410	2	PRS	78	na	1
RM 0	24-May-01	1420	3	CHNF	nd	nd	0
RM 0	24-May-01	1420	3	PRS	43	na	1
RM 0	24-May-01	1420	3	SASU	32	na	1
RM 0	24-May-01	1420	3	SASU	37	na	1
RM 0	24-May-01	1420	3	SASU	45	na	1
RM 0	24-May-01	1420	3	SASU	25	na	1
RM 0	24-May-01	1420	3	SASU	37	na	1
RM 0	24-May-01	1420	3	SASU	39	na	1
RM 0	24-May-01	1420	3	SASU	33	na	1
RM 0	24-May-01	1420	3	SASU	34	na	1
RM 0	24-May-01	1420	3	SASU	27	na	1
RM 0	24-May-01	1420	3	HCH	37	na	1
RM 0	24-May-01	1420	3	HCH	33	na	1
RM 0	24-May-01	1420	3	HCH	37	na	1
RM 0	24-May-01	1420	3	HCH	37	na	1
RM 0	24-May-01	1420	3	HCH	39	na	1
RM 0	24-May-01	1420	3	HCH	37	na	1
RM 0	24-May-01	1420	3	HCH	34	na	1
RM 0	24-May-01	1420	3	HCH	37	na	1
RM 0	24-May-01	1420	3	HCH	32	na	1
RM 10	25-May-01	1400	1	CHNF	88	3	1
RM 10	25-May-01	1400	1	CHNF	90	3	1
RM 10	25-May-01	1400	1	SASQ	98	na	1
RM 10	25-May-01	1410	2	CHNF	nd	nd	0
RM 10	25-May-01	1410	2	PRS	37	na	1
RM 10	25-May-01	1415	3	CHNF	67	3	1
RM 15	25-May-01	1330	1	CHNF	nd	nd	0
RM 15	25-May-01	1330	1	SASQ	92	na	1
RM 15	25-May-01	1330	1	SASQ	91	na	1

Year 2001 Stanislaus Seining Data

Smolt Index: 1= Sac-fry; 2 = Fry; 3= Parr; 5 = Smolt

Site	Date	Time	Haul	Species	Fork Length	Smolt Index	Count
RM 15	25-May-01	1330	1	SASQ	92	na	1
RM 15	25-May-01	1330	1	SASU	72	na	1
RM 15	25-May-01	1335	2	CHNF	nd	nd	0
RM 15	25-May-01	1335	2	SASQ	62	na	1
RM 15	25-May-01	1340	3	CHNF	nd	nd	0
RM 20	25-May-01	ns	ns	ns	ns	ns	ns
RM 25	25-May-01	1000	1	CHNF	67	3	1
RM 25	25-May-01	1000	1	CHNF	83	3	1
RM 25	25-May-01	1000	1	SASU	32	na	1
RM 25	25-May-01	1000	1	SASU	29	na	1
RM 25	25-May-01	1000	1	SASU	30	na	1
RM 25	25-May-01	1000	1	SASU	28	na	1
RM 25	25-May-01	1000	1	SASU	30	na	1
RM 25	25-May-01	1000	1	SASQ	57	na	1
RM 25	25-May-01	1000	1	SASQ	46	na	1
RM 25	25-May-01	1000	1	BGS	34	na	1
RM 25	25-May-01	1000	1	PRS	34	na	1
RM 25	25-May-01	1000	1	PRS	30	na	1
RM 25	25-May-01	1005	2	CHNF	nd	nd	0
RM 25	25-May-01	1005	2	SASQ	54	na	1
RM 25	25-May-01	1005	2	SASU	38	na	1
RM 25	25-May-01	1005	2	SASU	30	na	1
RM 25	25-May-01	1010	3	CHNF	nd	nd	0
RM 25	25-May-01	1010	3	SASQ	104	na	1
RM 25	25-May-01	1010	3	SASQ	74	na	1
RM 25	25-May-01	1010	3	SASQ	55	na	1
RM 30	24-May-01	1150	1	CHNF	nd	nd	0
RM 30	24-May-01	1150	1	SASQ	32	na	1
RM 30	24-May-01	1155	2	CHNF	nd	nd	0
RM 30	24-May-01	1200	3	CHNF	nd	nd	0
RM 35	24-May-01	1000	1	CHNF	84	3	1
RM 35	24-May-01	1000	1	CHNF	51	3	1
RM 35	24-May-01	1000	1	CHNF	53	3	1
RM 35	24-May-01	1000	1	SASU	34	na	1
RM 35	24-May-01	1005	2	CHNF	49	3	1
RM 35	24-May-01	1005	2	CHNF	46	3	1
RM 35	24-May-01	1005	2	SASQ	98	na	1
RM 35	24-May-01	1005	2	SASQ	66	na	1
RM 35	24-May-01	1005	2	SASQ	77	na	1
RM 35	24-May-01	1005	2	SASQ	64	na	1
RM 35	24-May-01	1005	2	SASQ	61	na	1
RM 35	24-May-01	1005	2	SASQ	59	na	1
RM 35	24-May-01	1005	2	SASQ	57	na	1
RM 35	24-May-01	1005	2	SASQ	66	na	1
RM 35	24-May-01	1010	3	CHNF	77	3	1
RM 35	24-May-01	1010	3	CHNF	47	3	1
RM 35	24-May-01	1010	3	SASU	28	na	1
RM 0	08-Jun-01	1615	1,2,3	CHNF	nd	nd	0
RM 10	08-Jun-01	1510	1	CHNF	nd	nd	0
RM 10	08-Jun-01	1510	1	SASU	45	na	1
RM 10	08-Jun-01	1510	1	SASU	41	na	1
RM 10	08-Jun-01	1510	1	SASU	40	na	1
RM 10	08-Jun-01	1510	1	MQK	36	na	1
RM 10	08-Jun-01	1515	2	SASU	40	na	1
RM 10	08-Jun-01	1520	3	CHNF	nd	nd	0
RM 15	08-Jun-01	1245	1	SASU	34	na	1

Year 2001 Stanislaus Seining Data

Smolt Index:
1= Sac-fry; 2 = Fry; 3= Parr; 5 = Smolt

Site	Date	Time	Haul	Species	Fork Length	Smolt Index	Count
RM 15	08-Jun-01	1245	1	SASQ	39	na	1
RM 15	08-Jun-01	1245	1	SASQ	46	na	1
RM 15	08-Jun-01	1250	2	CHNF	nd	nd	0
RM 15	08-Jun-01	1255	3	CHNF	nd	nd	0
RM 20	08-Jun-01	1140	1	TP	28	na	1
RM 20	08-Jun-01	1140	1	TP	27	na	1
RM 20	08-Jun-01	1140	1	SASU	nd	na	35
RM 20	08-Jun-01	1140	1	SASQ	39	na	1
RM 20	08-Jun-01	1140	1	SASQ	49	na	1
RM 20	08-Jun-01	1145	2	CHNF	nd	nd	0
RM 20	08-Jun-01	1145	2	TP	33	na	1
RM 20	08-Jun-01	1145	2	TP	31	na	1
RM 20	08-Jun-01	1150	3	CHNF	nd	nd	0
RM 25	08-Jun-01	1030	1	CHNF	nd	nd	0
RM 25	08-Jun-01	1030	1	SASQ	97	na	1
RM 25	08-Jun-01	1030	1	SASQ	72	na	1
RM 25	08-Jun-01	1030	1	SASQ	91	na	1
RM 25	08-Jun-01	1030	1	SASQ	71	na	1
RM 25	08-Jun-01	1035	2	CHNF	nd	nd	0
RM 25	08-Jun-01	1035	2	BGS	35	na	1
RM 25	08-Jun-01	1035	2	BGS	31	na	1
RM 25	08-Jun-01	1035	2	BGS	37	na	1
RM 25	08-Jun-01	1035	2	HH	72	na	1
RM 25	08-Jun-01	1035	2	SASQ	67	na	1
RM 25	08-Jun-01	1035	2	SASU	40	na	1
RM 25	08-Jun-01	1035	2	SASU	42	na	1
RM 25	08-Jun-01	1035	2	SASU	37	na	1
RM 25	08-Jun-01	1035	2	SASU	20	na	1
RM 25	08-Jun-01	1035	2	SASU	21	na	1
RM 25	08-Jun-01	1035	2	SASU	23	na	1
RM 25	08-Jun-01	1035	2	SASU	21	na	1
RM 25	08-Jun-01	1035	2	SASU	21	na	1
RM 25	08-Jun-01	1035	2	SASU	20	na	1
RM 25	08-Jun-01	1035	2	SASU	28	na	1
RM 25	08-Jun-01	1035	2	SASU	22	na	1
RM 25	08-Jun-01	1035	2	SASU	26	na	1
RM 25	08-Jun-01	1035	2	SASU	24	na	1
RM 25	08-Jun-01	1035	2	MQK	29	na	1
RM 25	08-Jun-01	1045	3	CHNF	nd	nd	0
RM 25	08-Jun-01	1045	3	SASQ	83	na	1
RM 25	08-Jun-01	1045	3	SASQ	71	na	1
RM 30	07-Jun-01	1230	1	CHNF	nd	nd	0
RM 30	07-Jun-01	1230	1	SASQ	54	na	1
RM 30	07-Jun-01	1230	1	SASQ	58	na	1
RM 30	07-Jun-01	1230	1	SASU	21	na	1
RM 30	07-Jun-01	1230	1	SASU	20	na	1
RM 30	07-Jun-01	1230	1	SASU	20	na	1
RM 30	07-Jun-01	1230	1	SASU	21	na	1
RM 30	07-Jun-01	1230	1	SASU	22	na	1
RM 30	07-Jun-01	1230	1	SASU	20	na	1
RM 30	07-Jun-01	1230	1	SASU	18	na	1
RM 30	07-Jun-01	1230	1	SASU	20	na	1
RM 30	07-Jun-01	1230	1	SASU	21	na	1
RM 30	07-Jun-01	1230	1	SASU	20	na	1
RM 30	07-Jun-01	1230	1	HH	51	na	1
RM 30	07-Jun-01	1230	2	CHNF	nd	nd	0
		1235					

Year 2001 Stanislaus Seining Data

Smolt Index: 1= Sac-fry; 2 = Fry; 3= Parr; 5 = Smolt

Site	Date	Time	Haul	Species	Fork Length	Smolt Index	Count
RM 30	07-Jun-01	1235	2	HH	54	na	1
RM 30	07-Jun-01	1235	2	HH	56	na	1
RM 30	07-Jun-01	1235	2	SASQ	50	na	1
RM 30	07-Jun-01	1235	2	SASQ	71	na	1
RM 30	07-Jun-01	1235	2	SASQ	64	na	1
RM 30	07-Jun-01	1240	3	CHNF	nd	nd	0
RM 30	07-Jun-01	1240	3	HH	57	na	1
RM 30	07-Jun-01	1240	3	HH	48	na	1
RM 35	07-Jun-01	1030	1	CHNF	nd	nd	0
RM 35	07-Jun-01	1030	1	HH	67	na	1
RM 35	07-Jun-01	1030	1	HH	53	na	1
RM 35	07-Jun-01	1030	1	HH	42	na	1
RM 35	07-Jun-01	1030	1	SASU	43	na	1
RM 35	07-Jun-01	1030	1	SASU	38	na	1
RM 35	07-Jun-01	1035	2	CHNF	56	3	1
RM 35	07-Jun-01	1035	2	CHNF	58	3	1
RM 35	07-Jun-01	1035	2	SASQ	68	na	1
RM 35	07-Jun-01	1040	3	CHNF	nd	nd	0
RM 35	07-Jun-01	1040	3	SASQ	73	na	1
RM 35	07-Jun-01	1040	3	SASQ	49	na	1
RM 35	07-Jun-01	1040	3	CHNF	58	3	1
RM 35	07-Jun-01	1040	3	HH	118	na	1

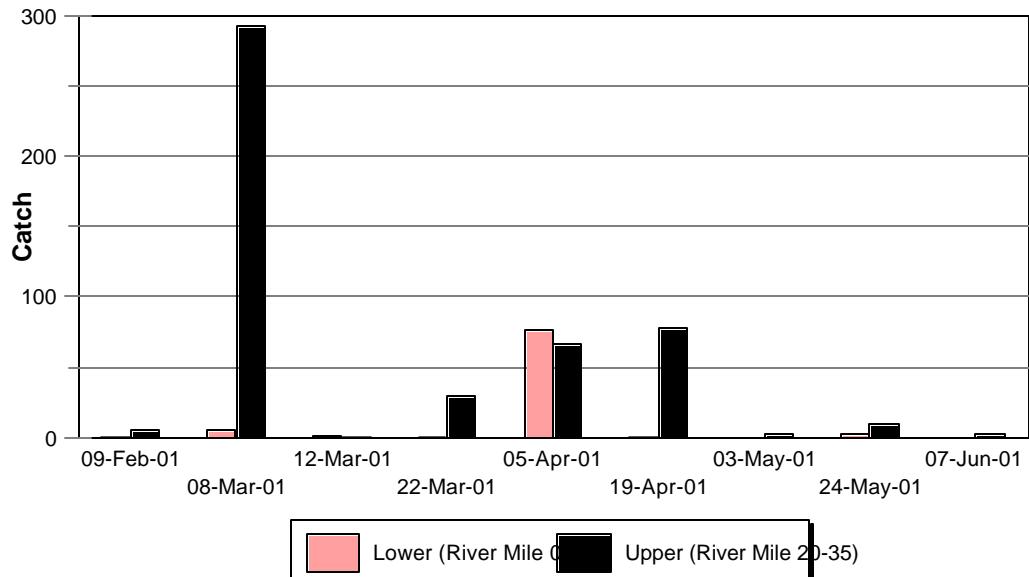
Summary of Year 2001 Stanislaus Seining for Chinook by River Mile

	RM 0	RM 10	RM 15	RM 20	RM 25	RM 30	RM 35
09-Feb-01		0				0	5
08-Mar-01	1	2	4	43	93	111	46
22-Mar-01	0	0	0	2	8	0	20
05-Apr-01	4	9	64	17	14	16	19
19-Apr-01						78	
03-May-01				0		2	
24-May-01	0	3	0		2	0	7
07-Jun-01	0	0	0	0	0	0	3

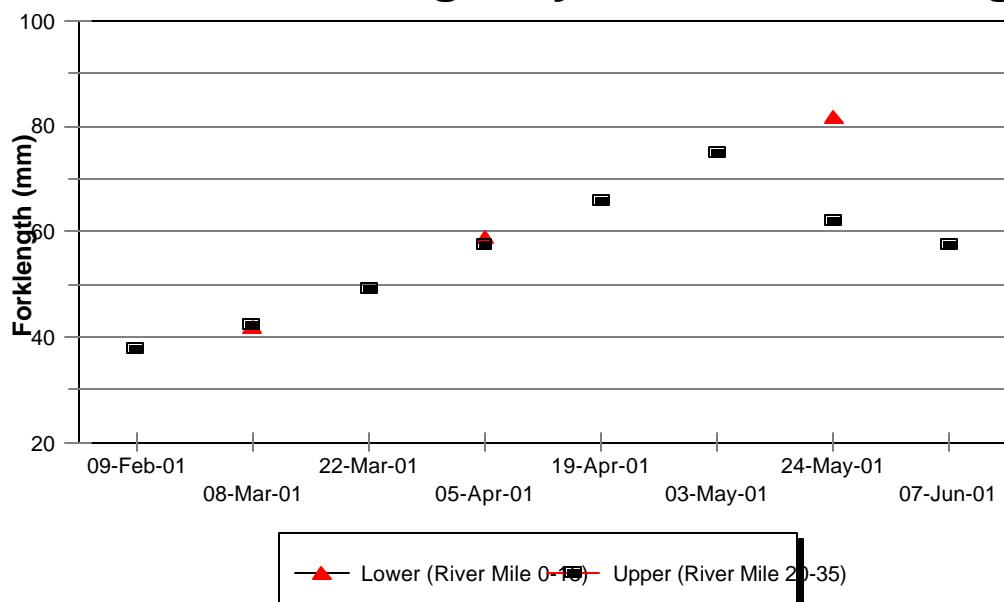
Summary of all catch in 2001

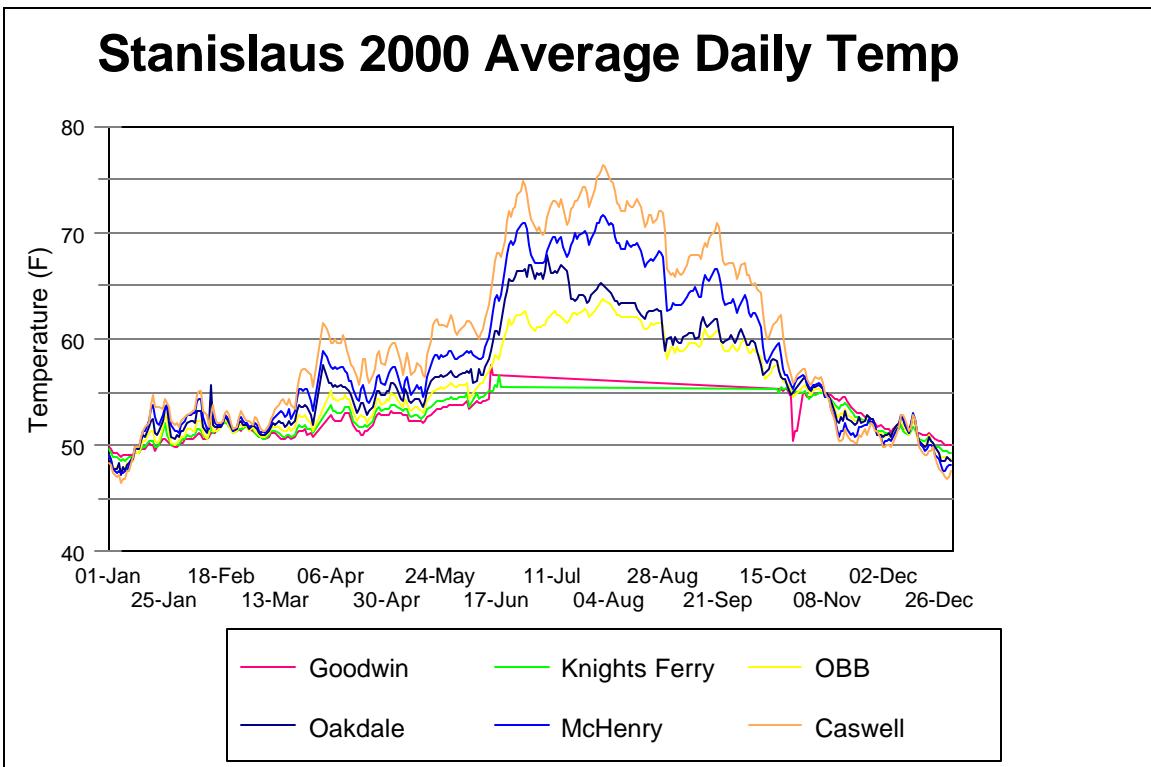
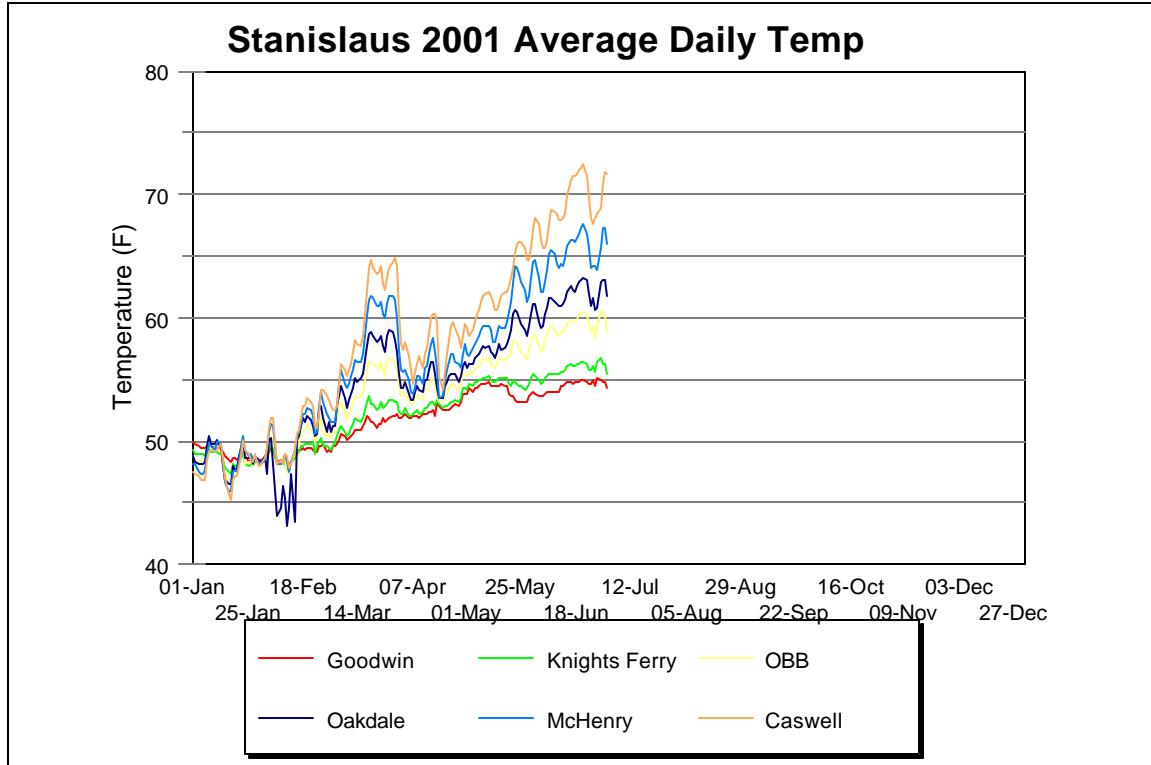
BGS	CHNF	HCH	HH	LMB	MQK	MSS	PRS	SASQ	SASU	TP
09-Feb-01	5		1						1	
08-Mar-01	300	920	7	2	2			5	5	
22-Mar-01	30	16						4	7	
05-Apr-01	143	8	84		3			2	4	
19-Apr-01	78							4		
03-May-01	2				1		1			4
24-May-01	1	12	25			1	5	21	24	89
07-Jun-01	3	3	10		2			19	65	4
Total	4	573	969	102	2	8	1	55	106	97

2001 Stanislaus River Chinook Seine Catch by Reach

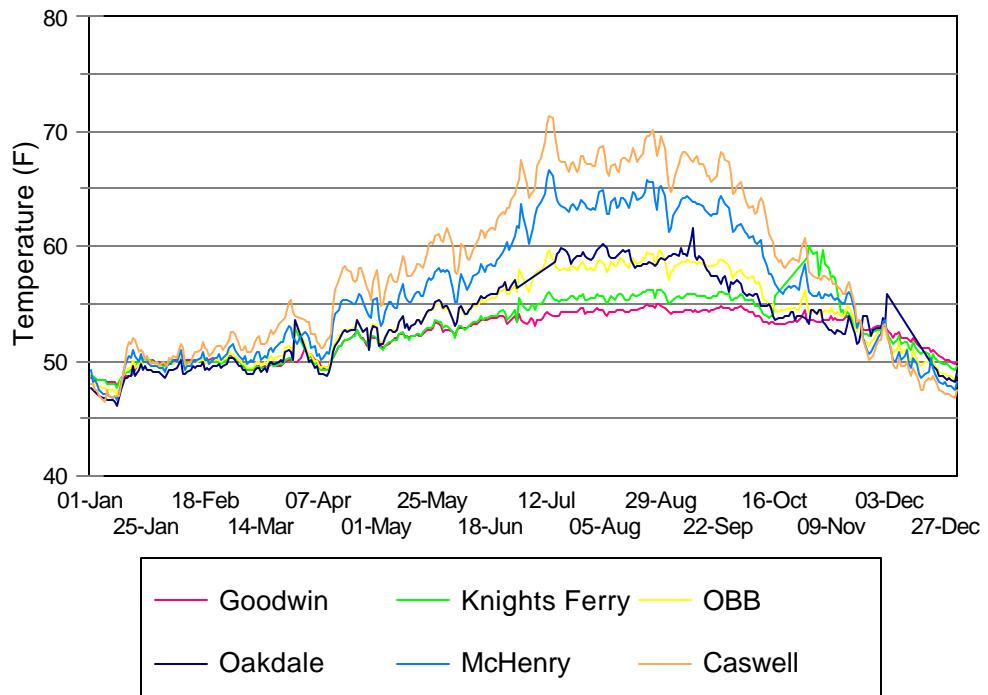


2001 Stanislaus River Chinook Mean Length by Reach for Seining

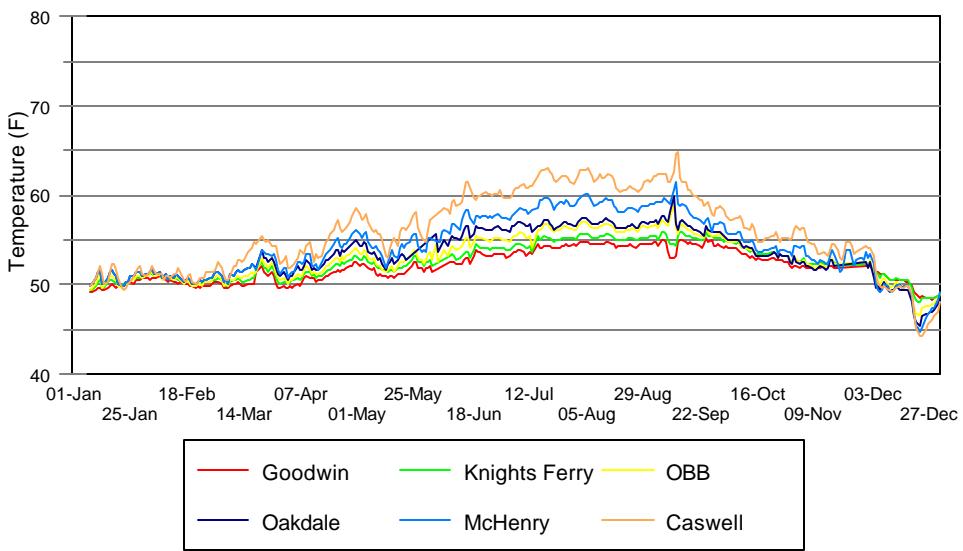




Stanislaus 1999 Average Daily Temp



Stanislaus 1998 Average Daily Temp



Mean Monthly Stanislaus River Flow

1984 - 2000 at Orange Blossom Bridge

